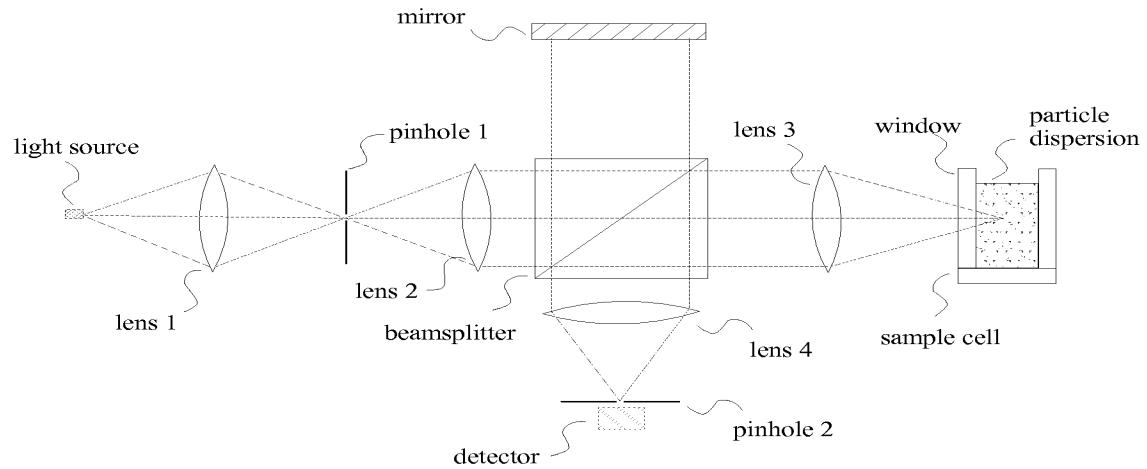
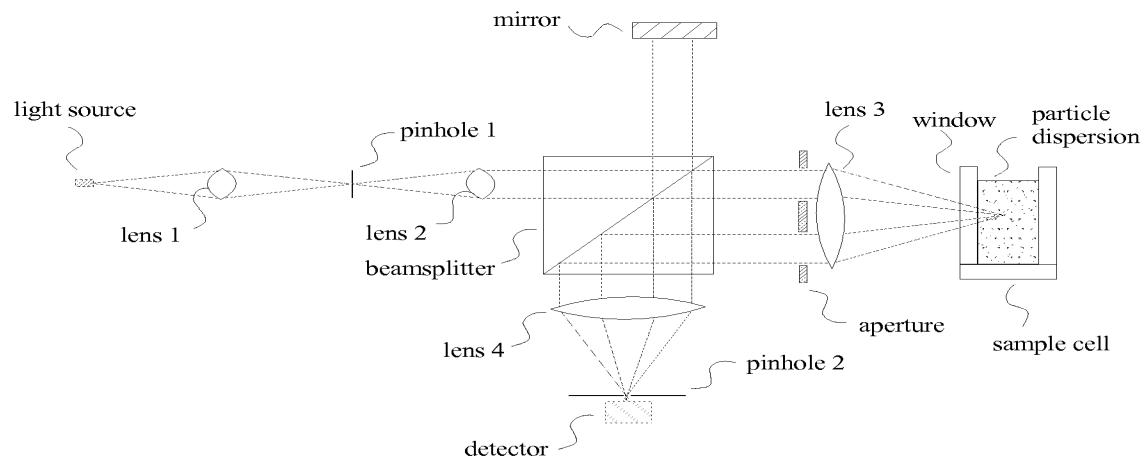
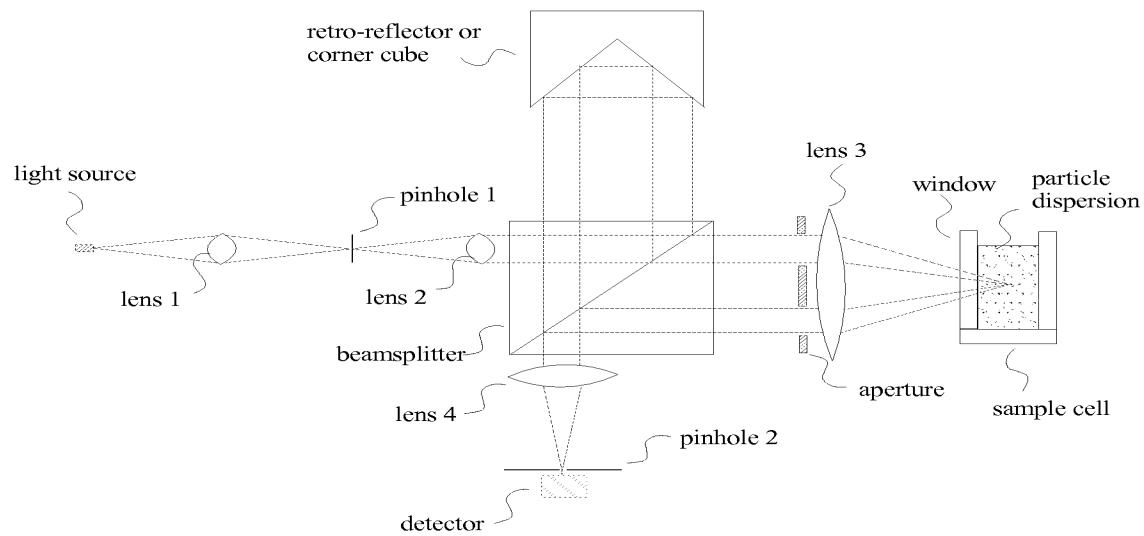
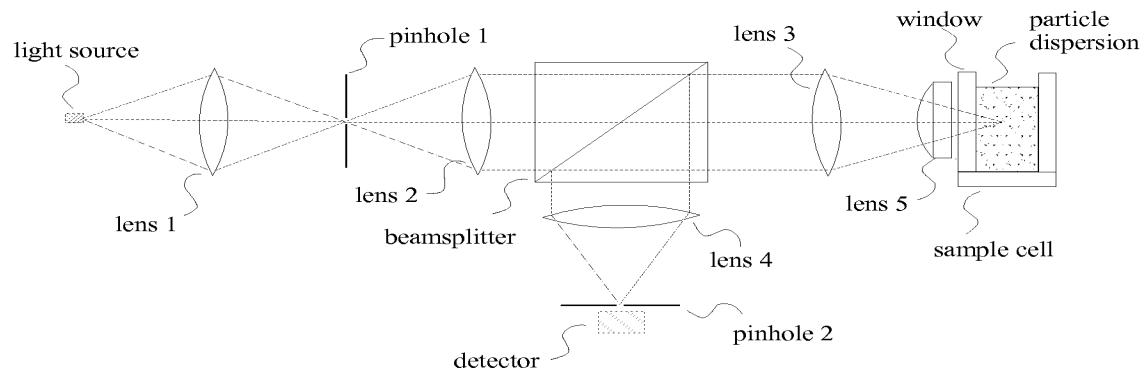
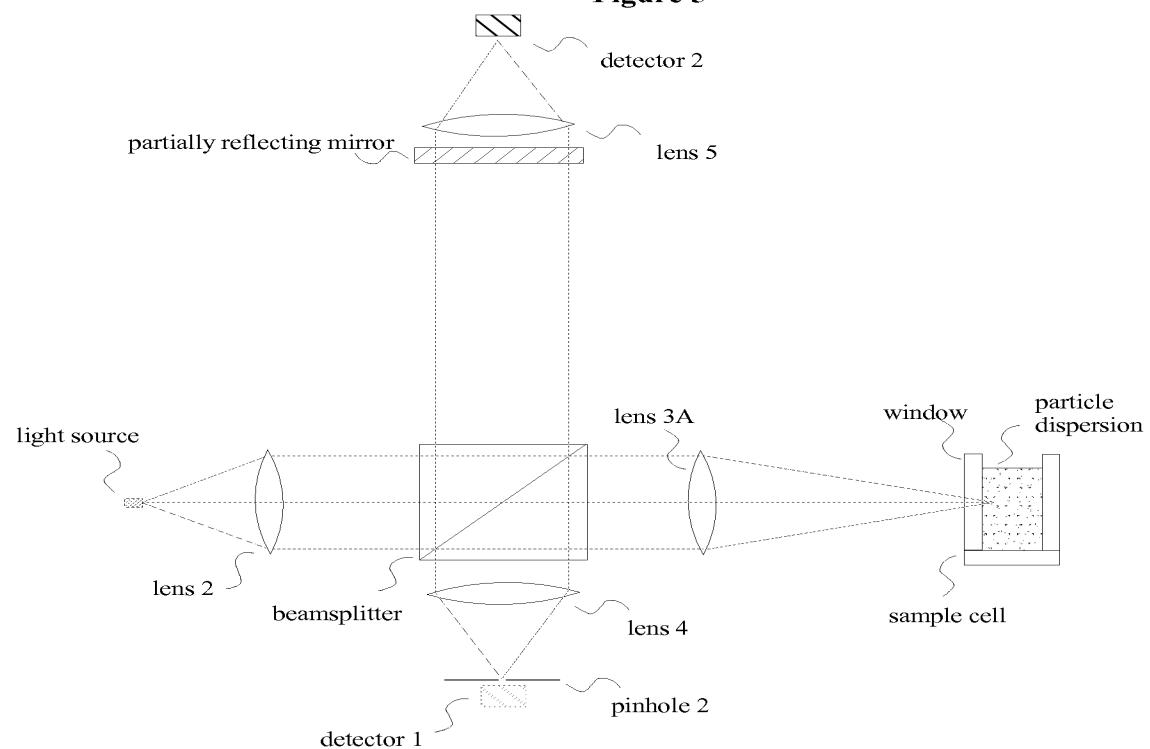
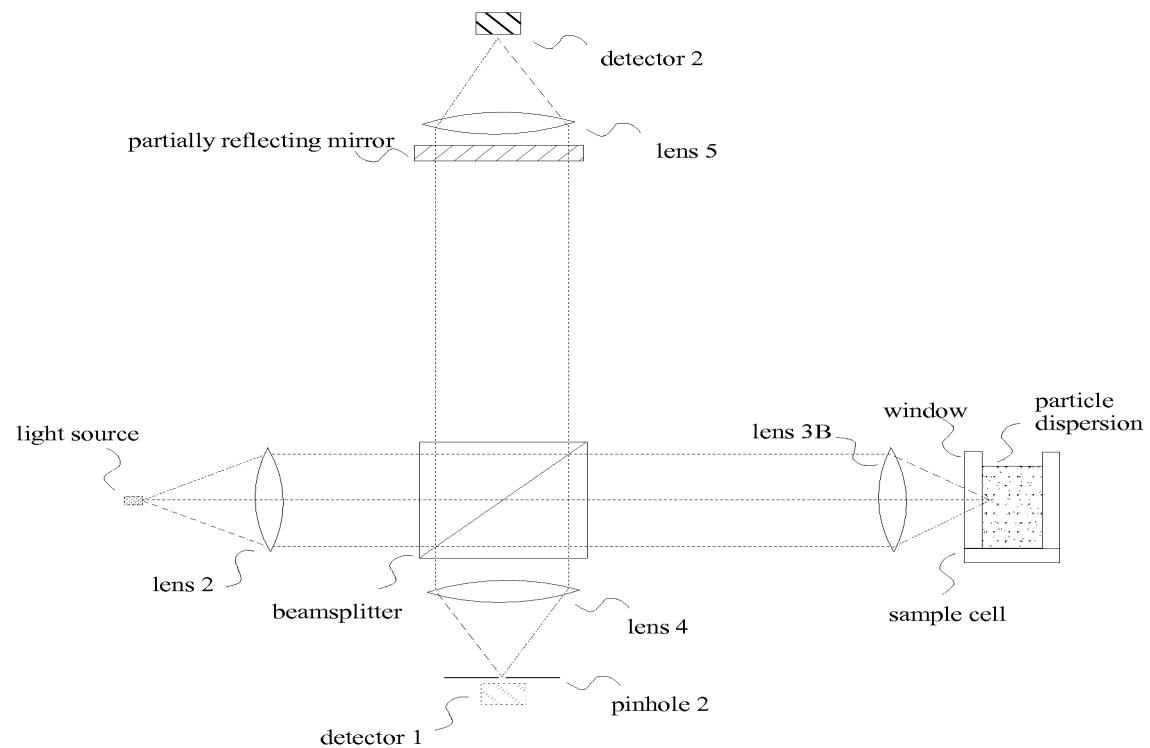
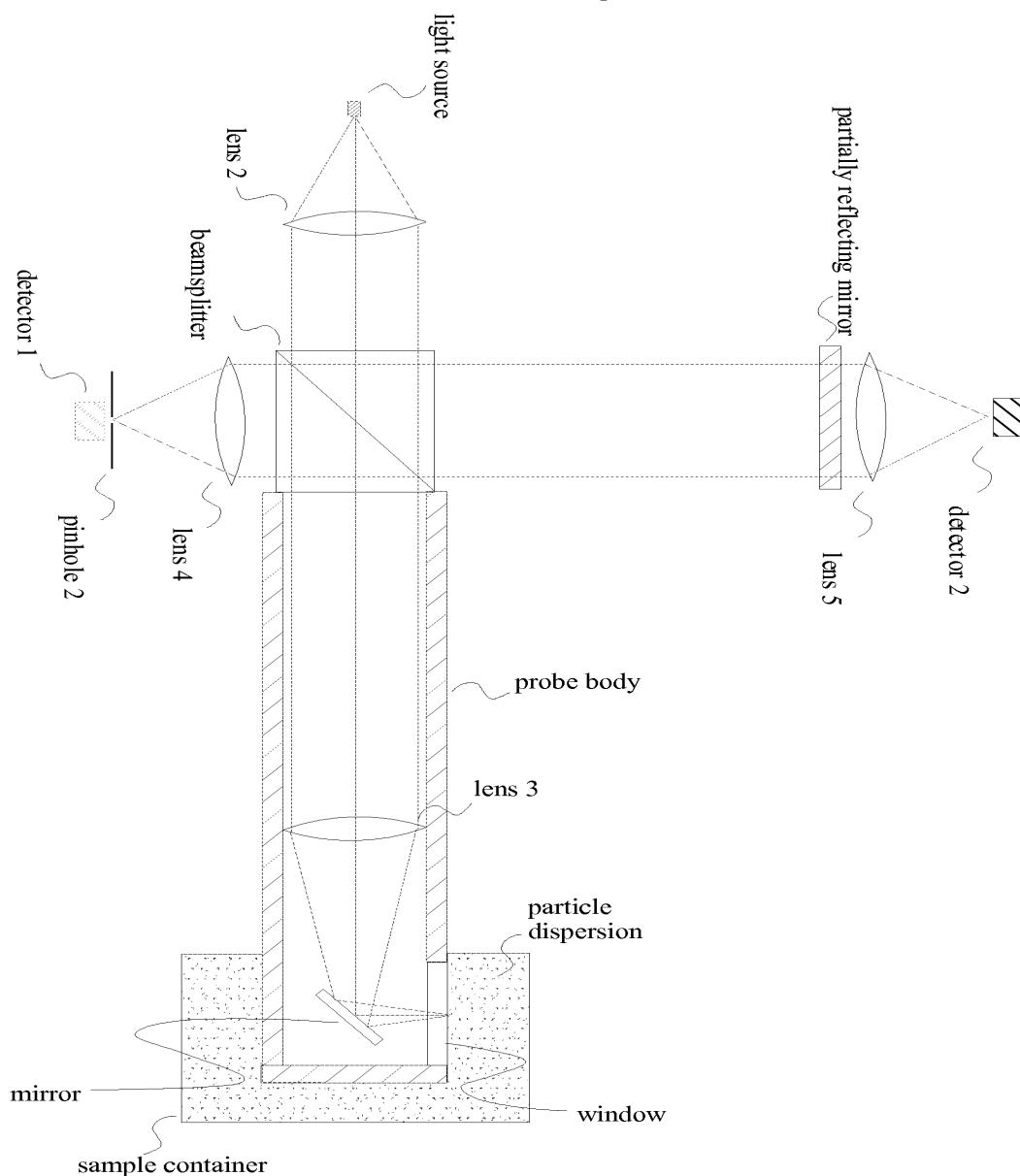


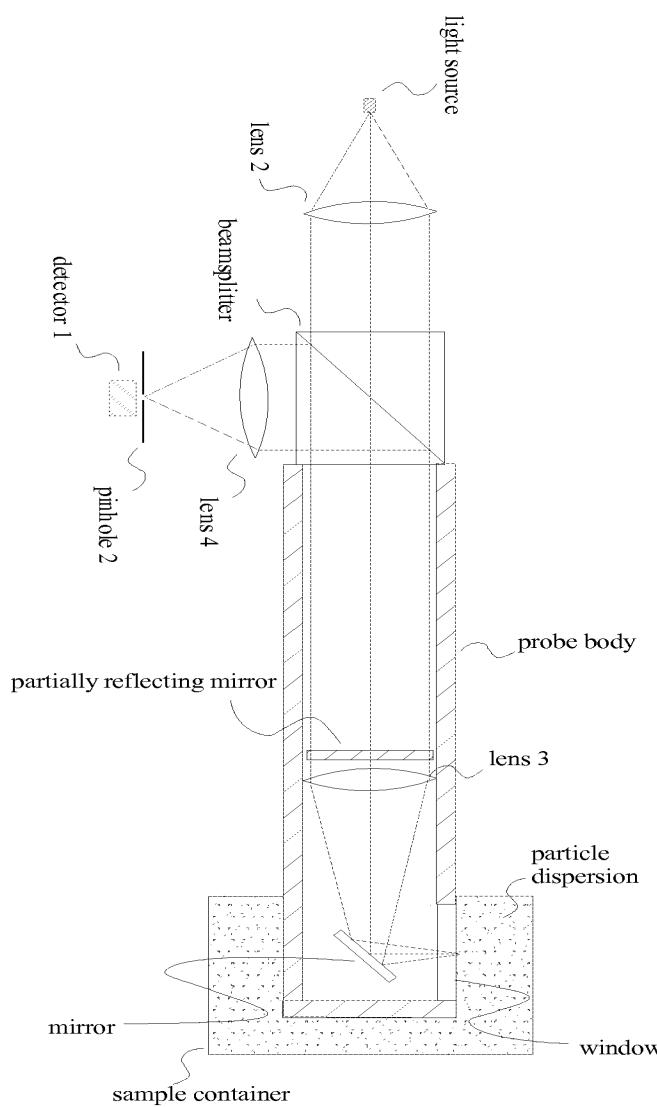
**Figure 1****Figure 2**

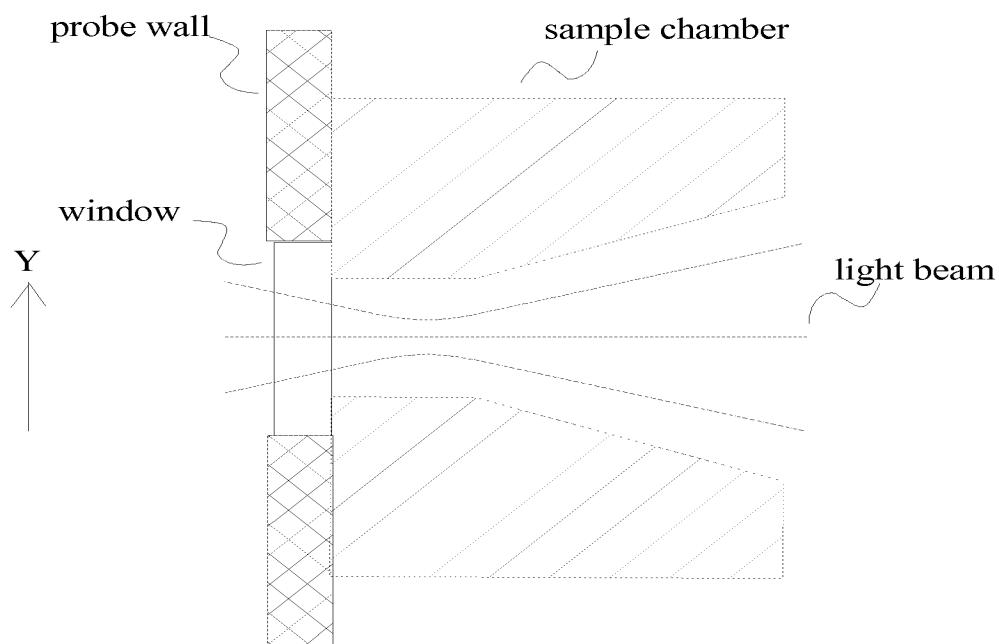
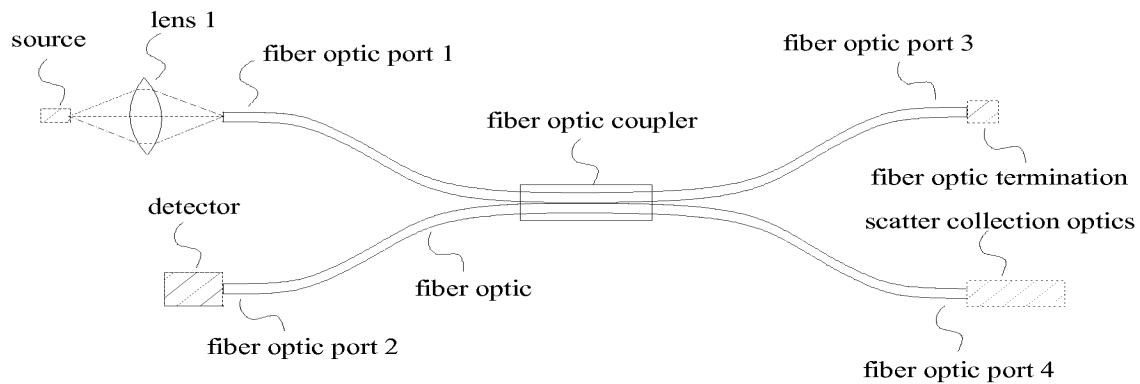
**Figure 3****Figure 4**

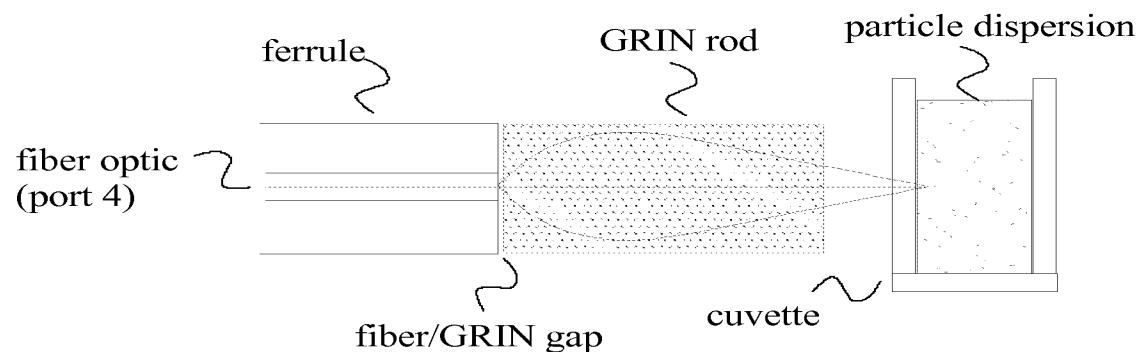
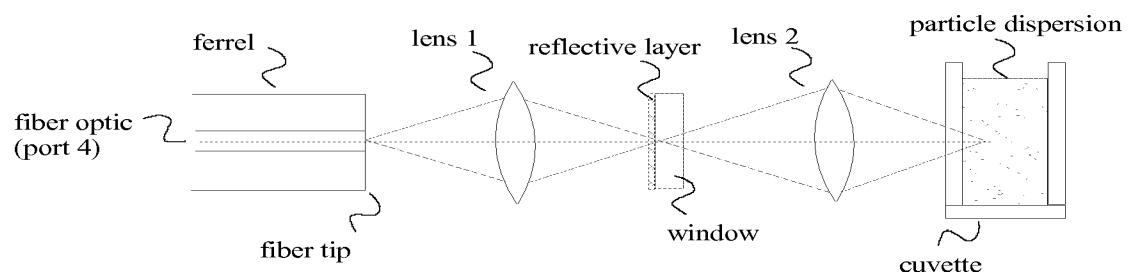
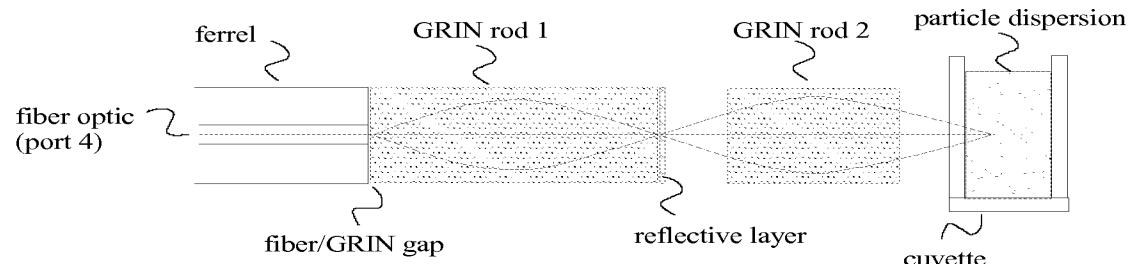
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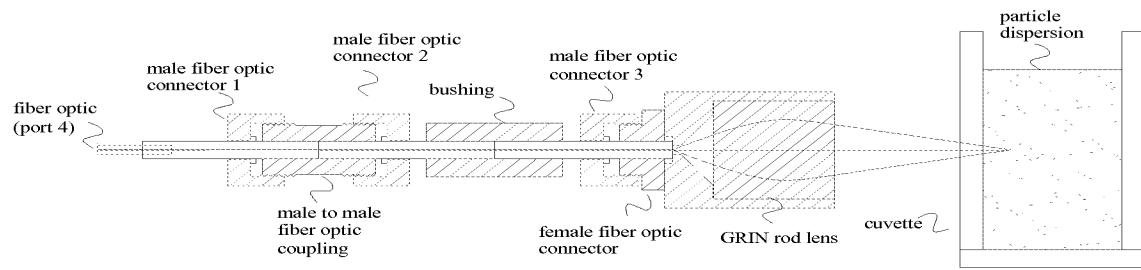
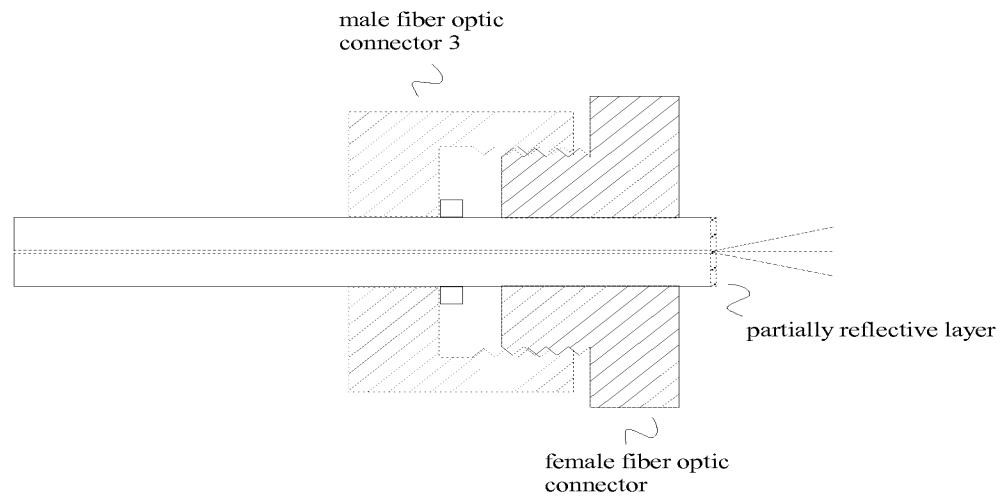
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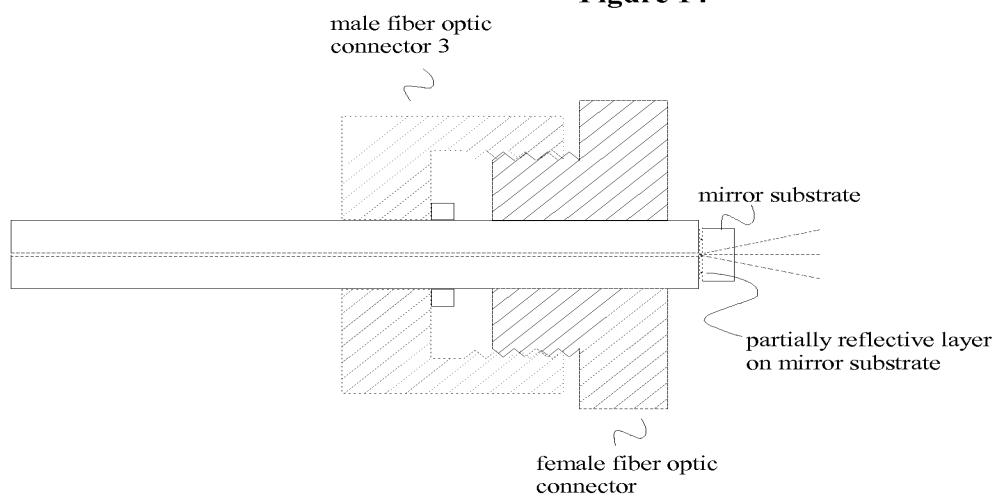
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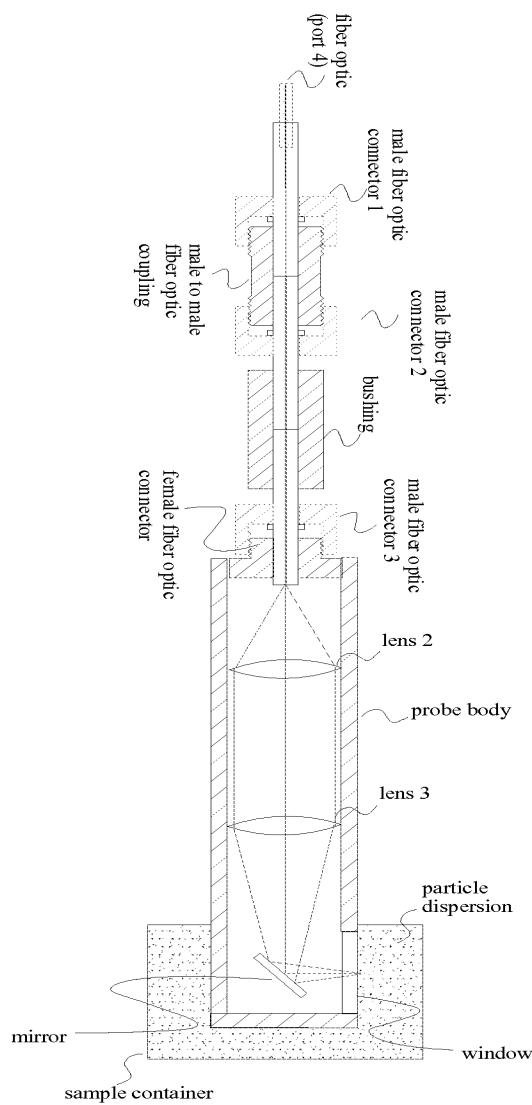
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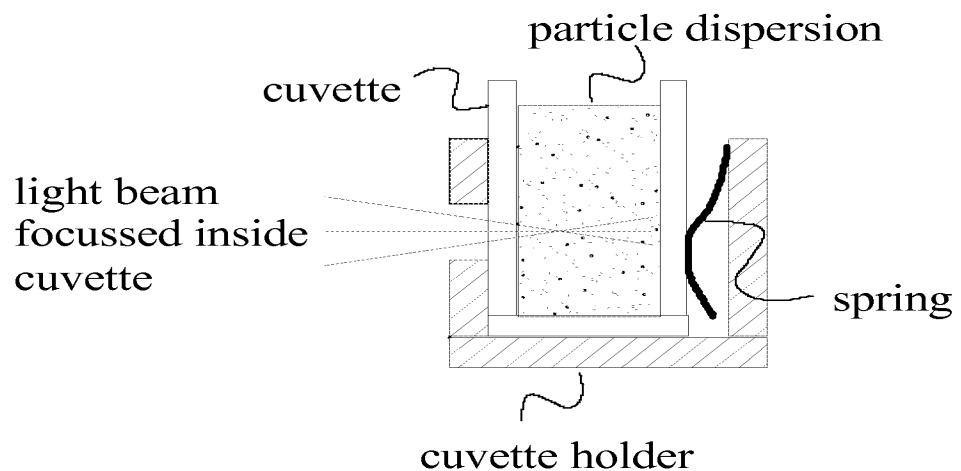
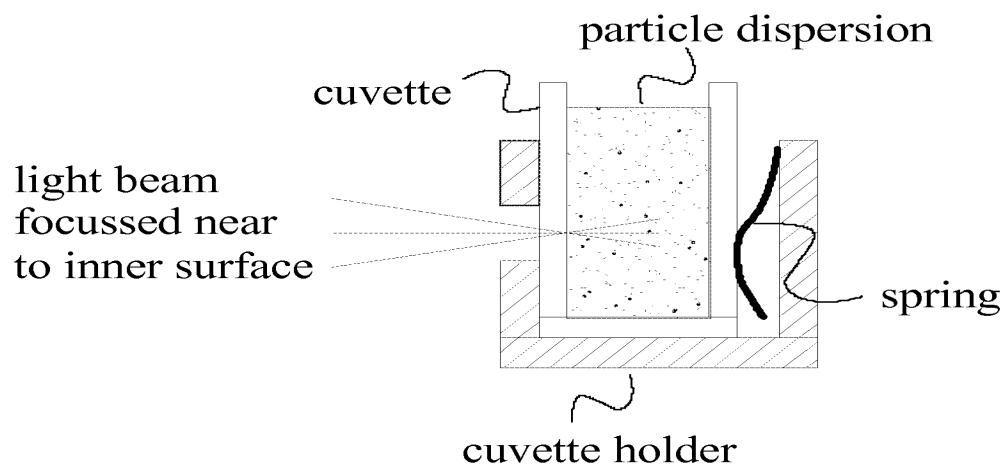
**Figure 9****Figure 10**

**Figure 11A****Figure 11B**

**Figure 12****Figure 13**

**Figure 14**

**Figure 15**

**Figure 16****Figure 17**

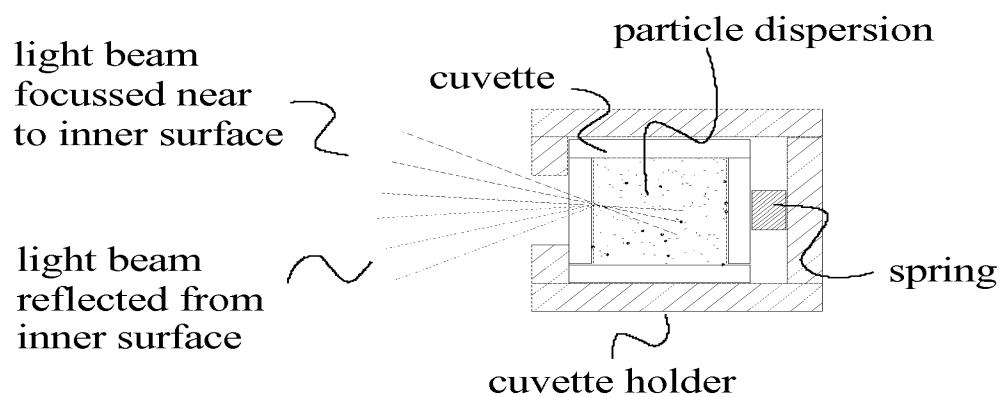
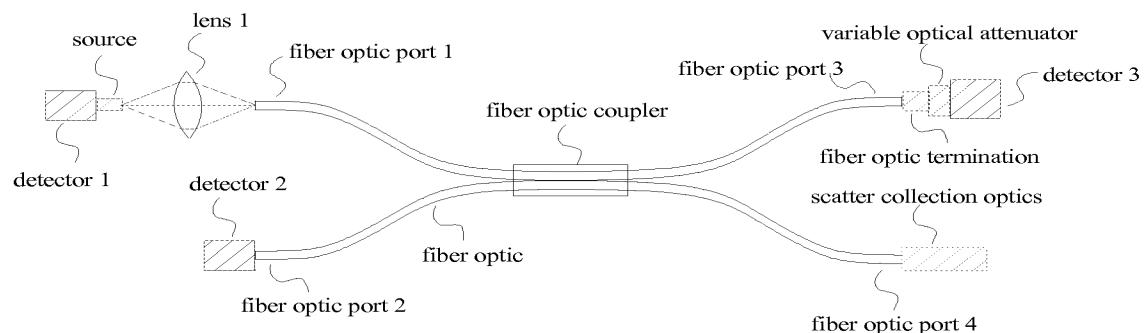
**Figure 18****Figure 19**

Figure 20

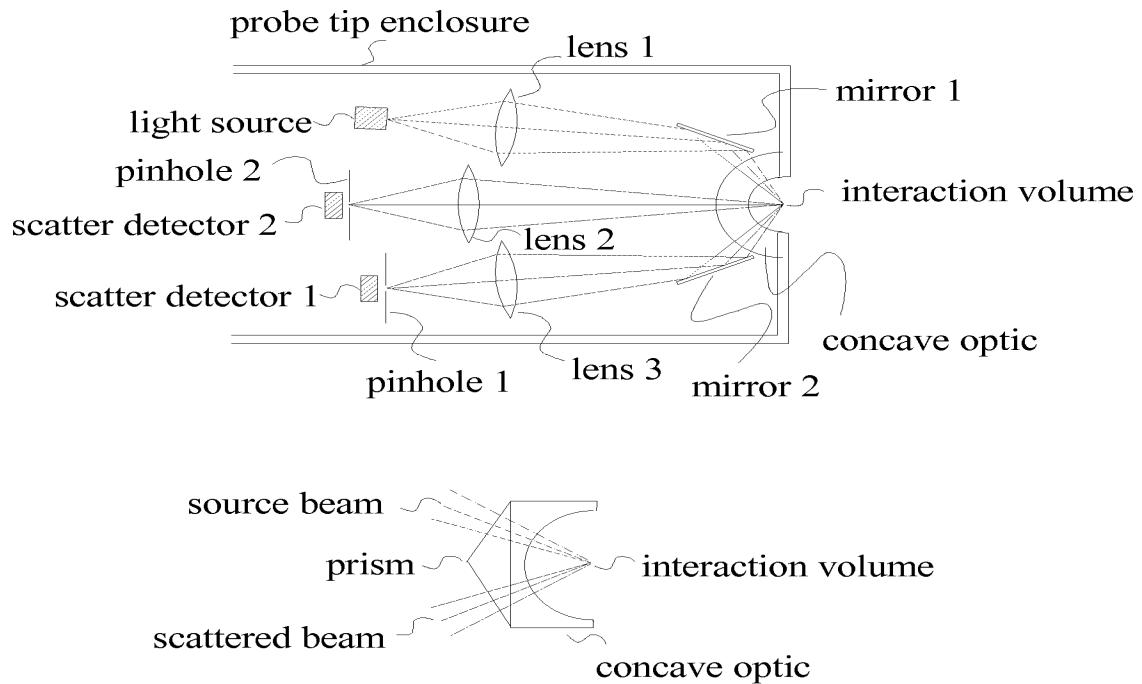


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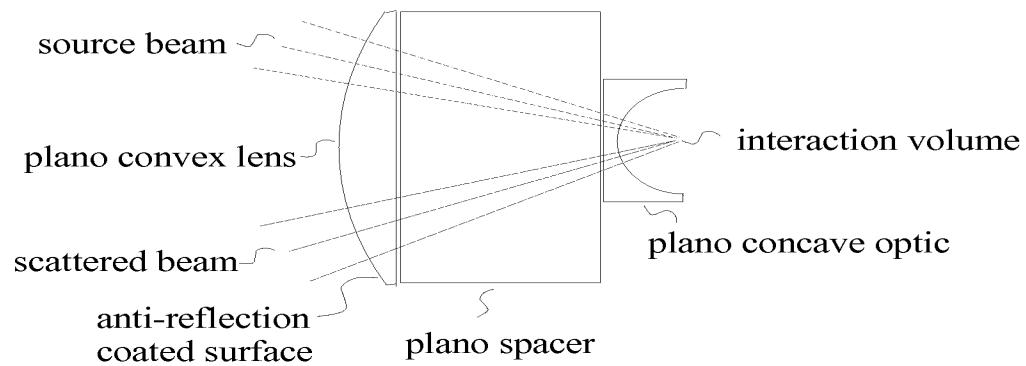


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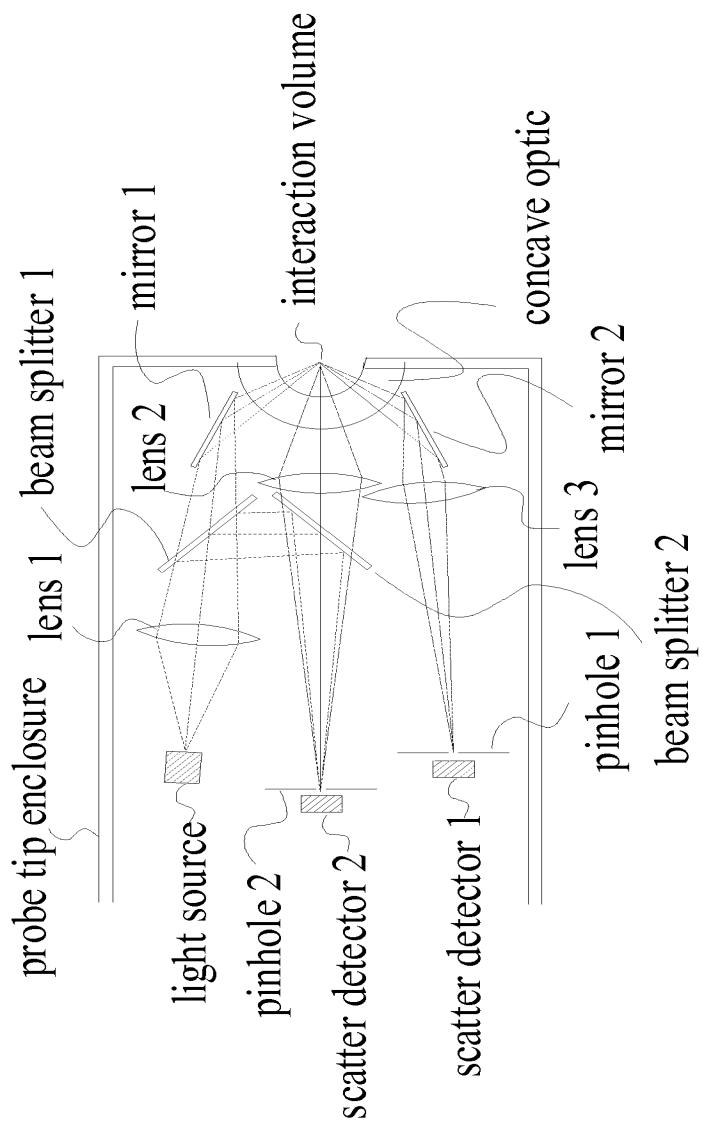


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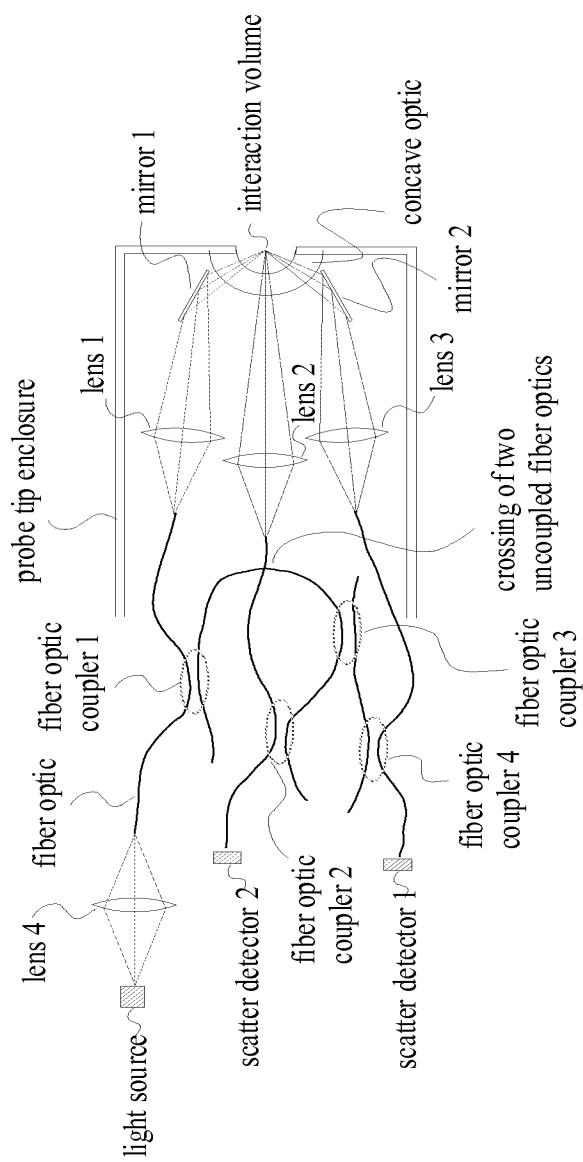


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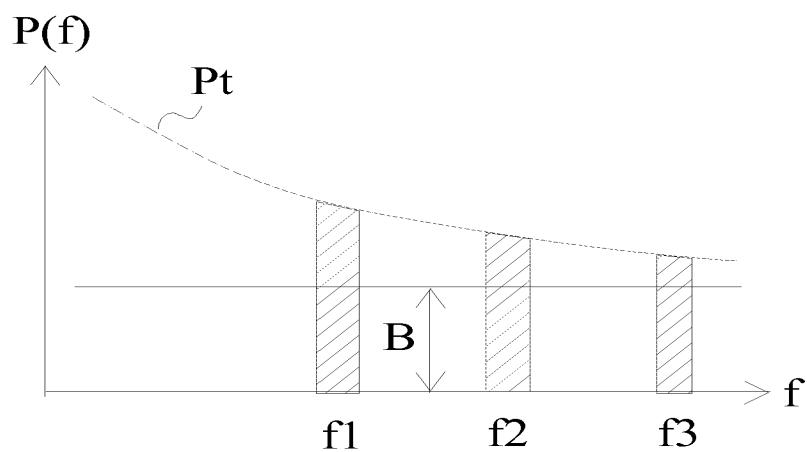
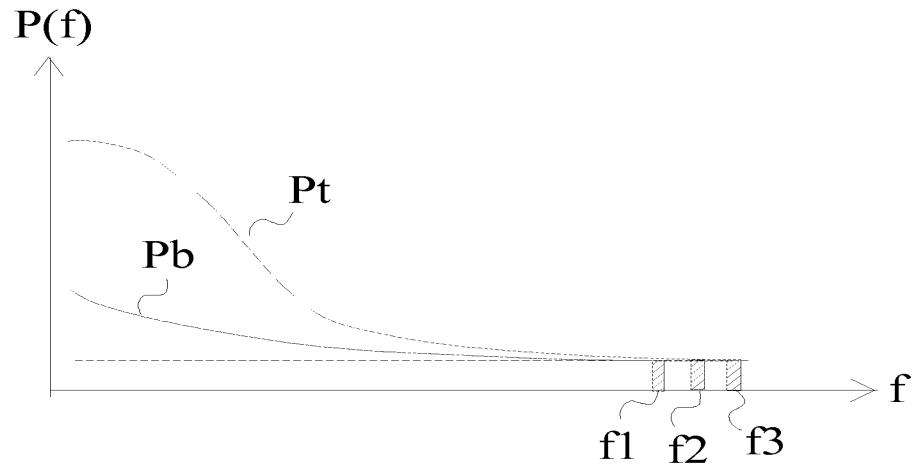


Figure 25

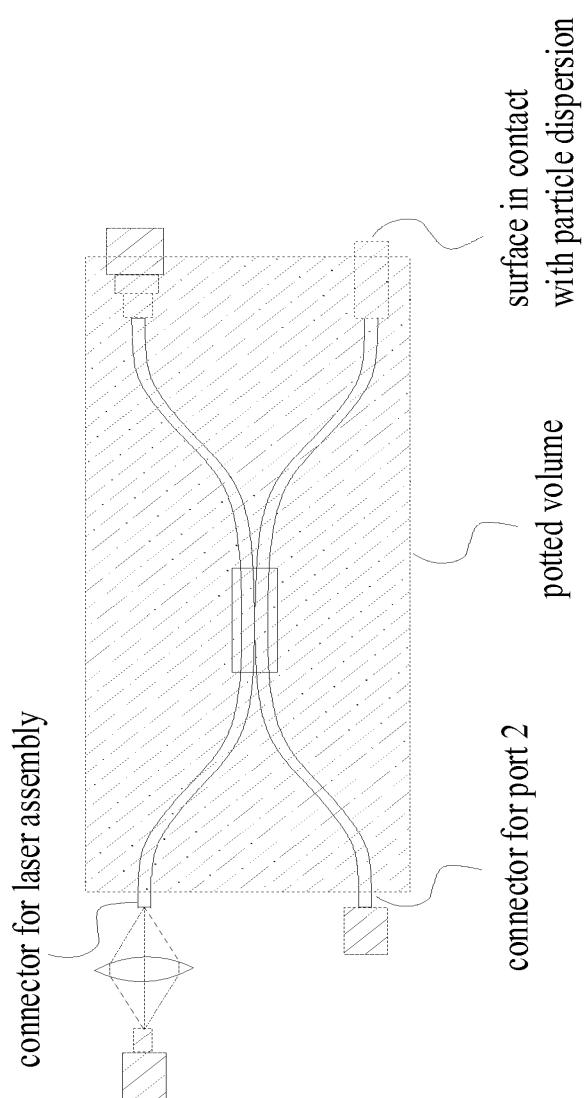


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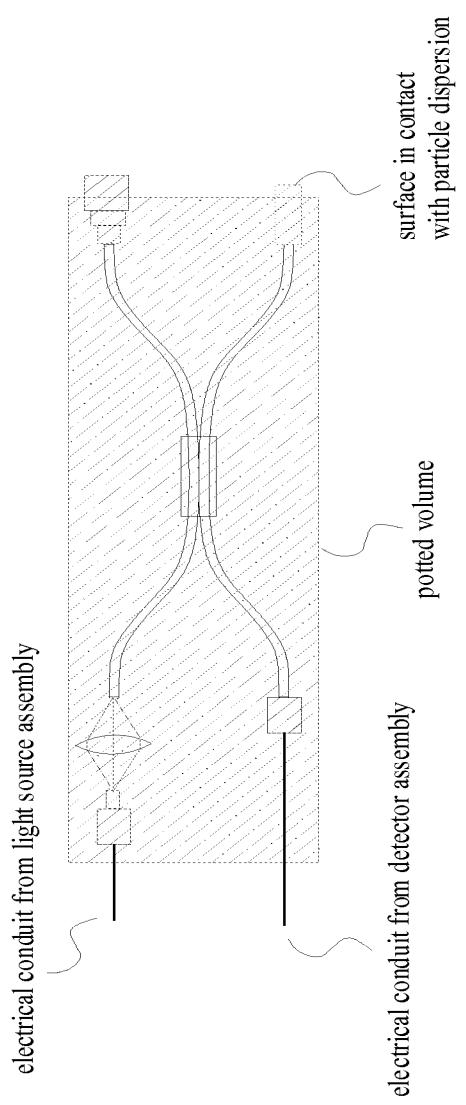


Figure 27

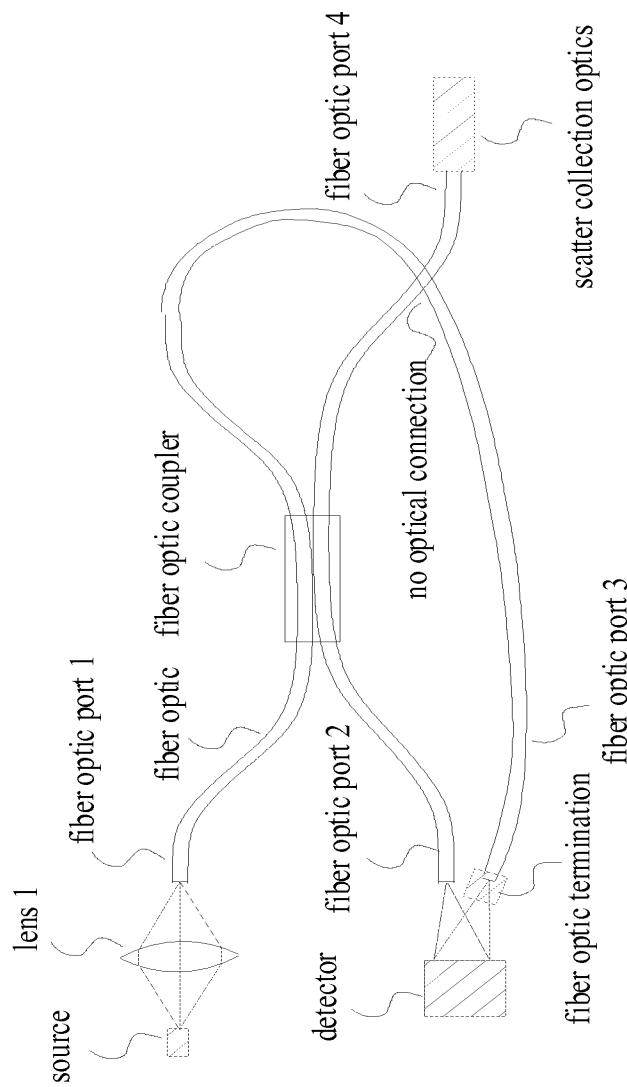


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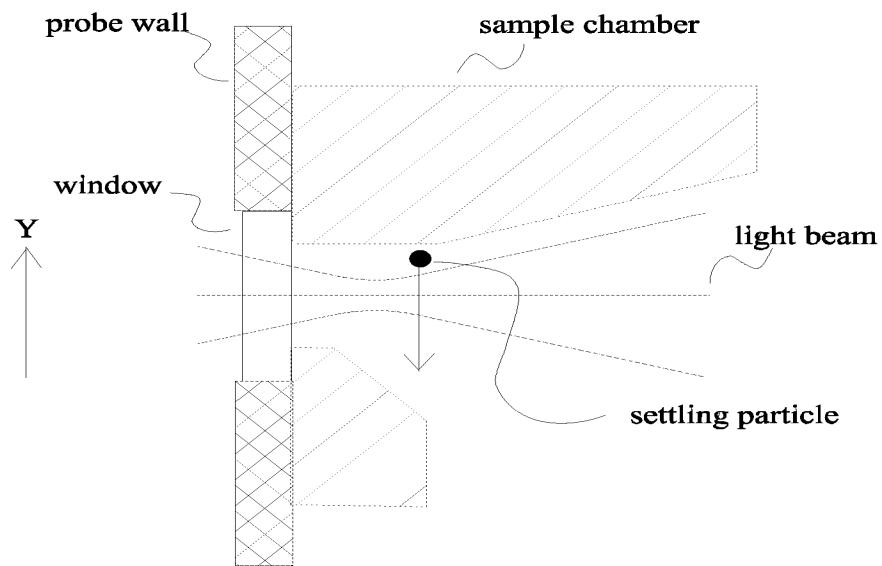


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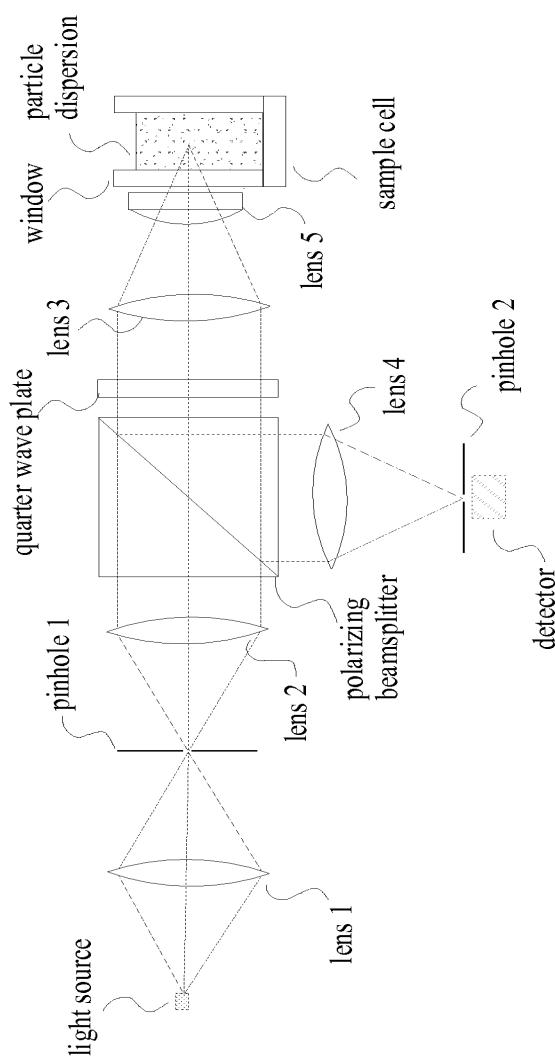


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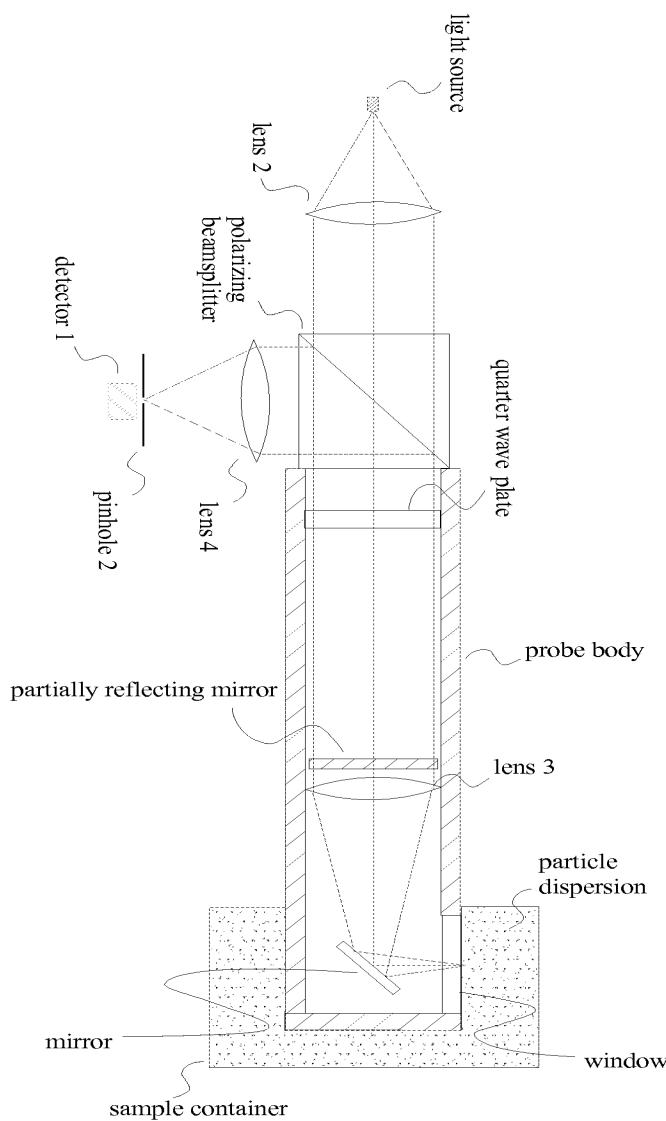


Figure 32

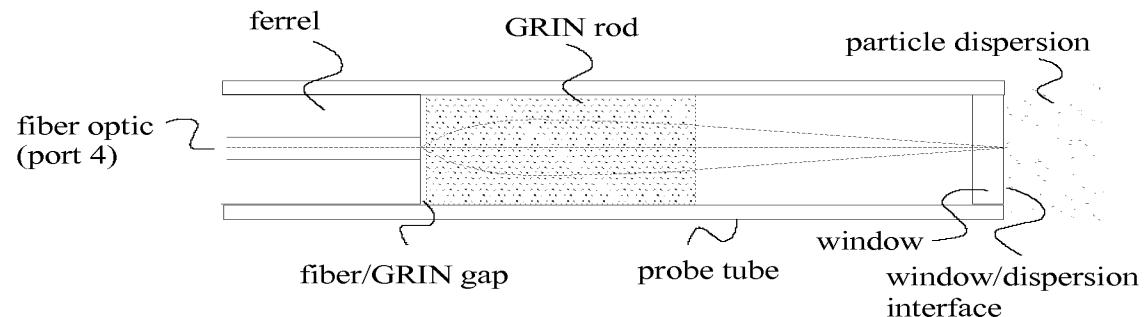


Figure B1

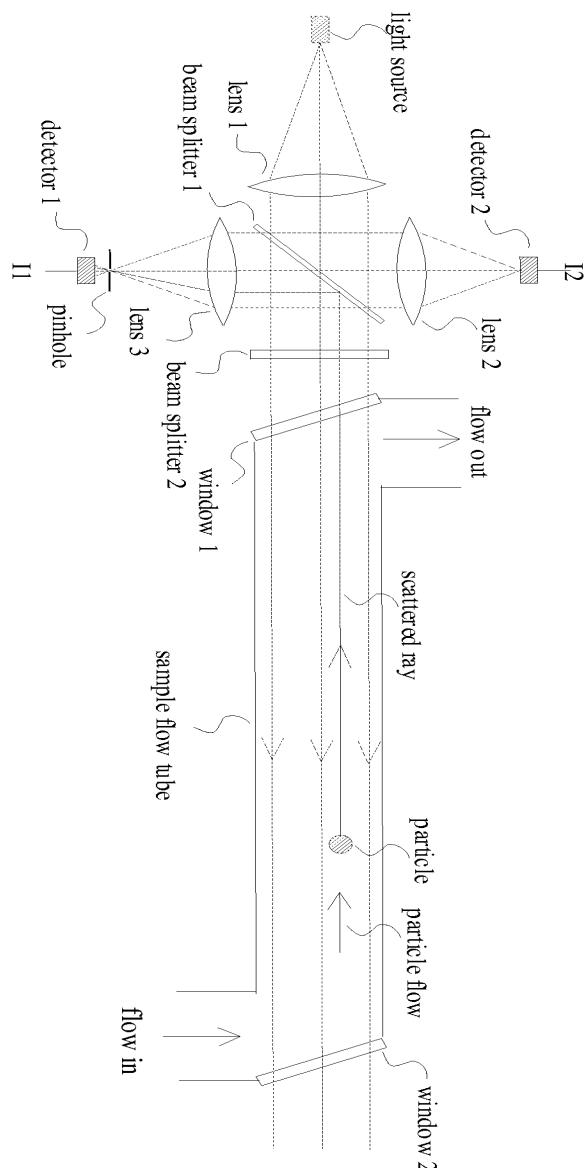


Figure B2

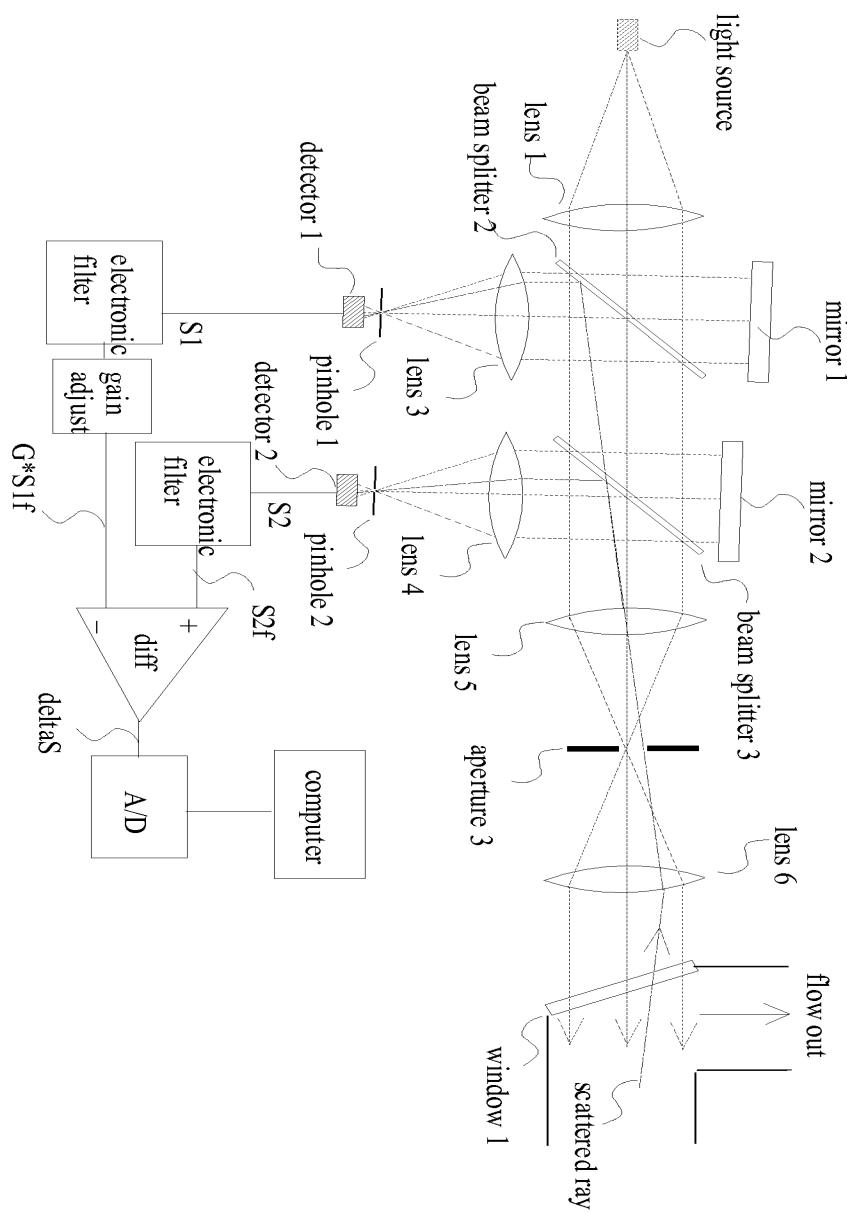


Figure B3

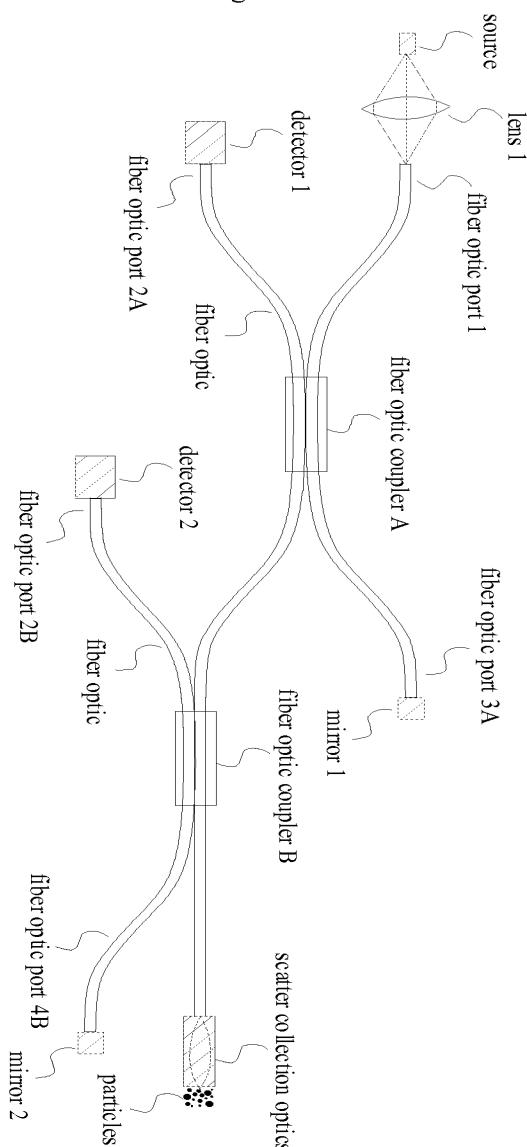
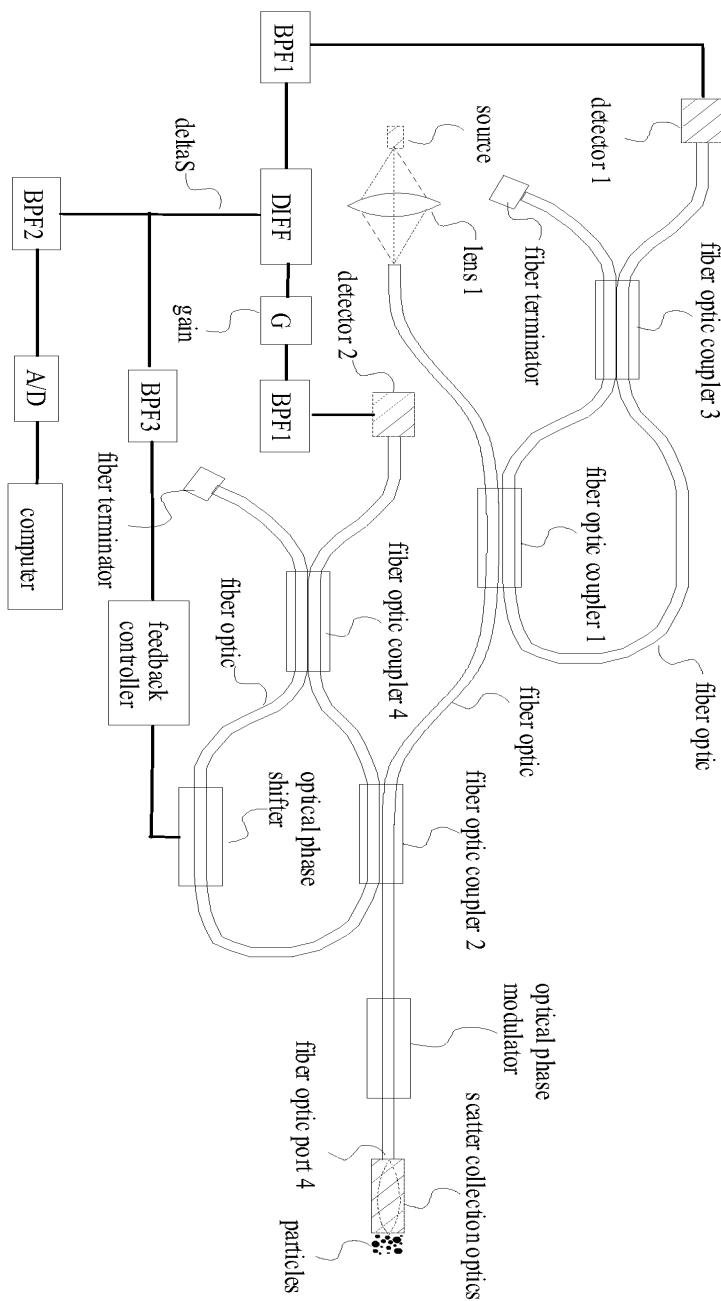


Figure B4



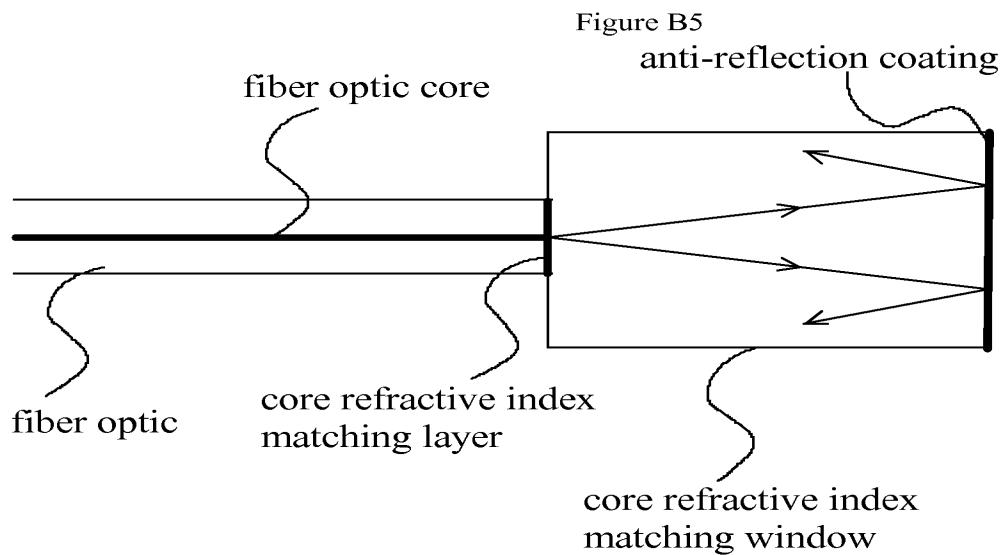


Figure C1

- ..... optical phase
- electric field
- ===== particle velocity
- analog to digital sampling switch

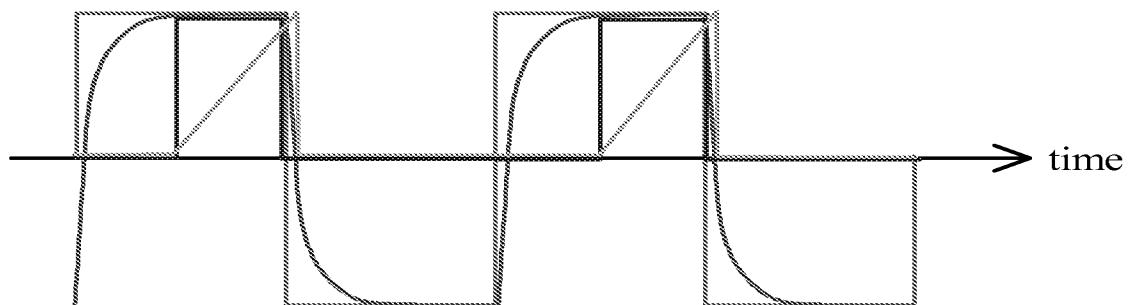


Figure C2

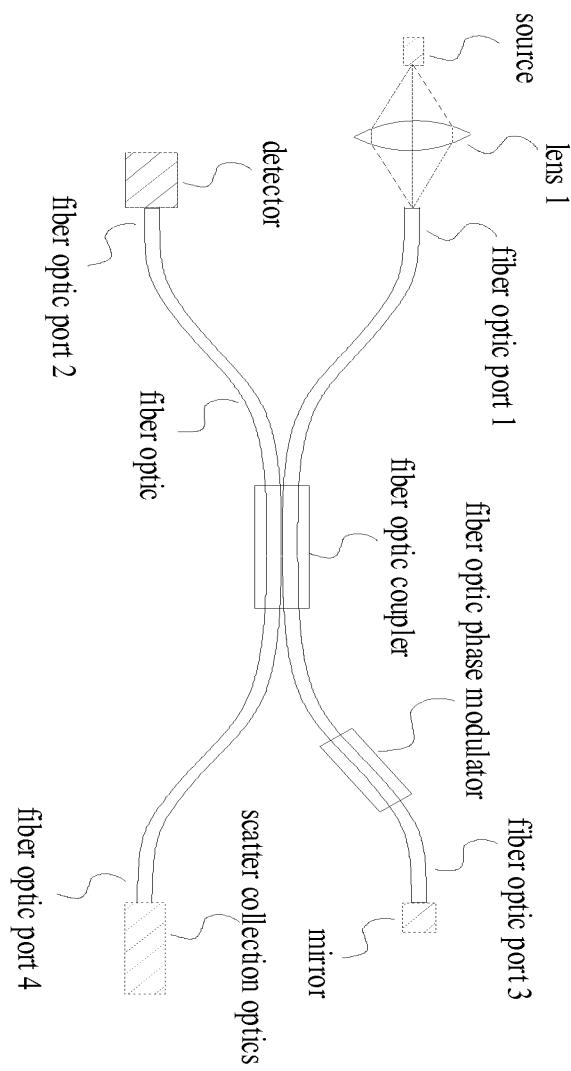


Figure C3

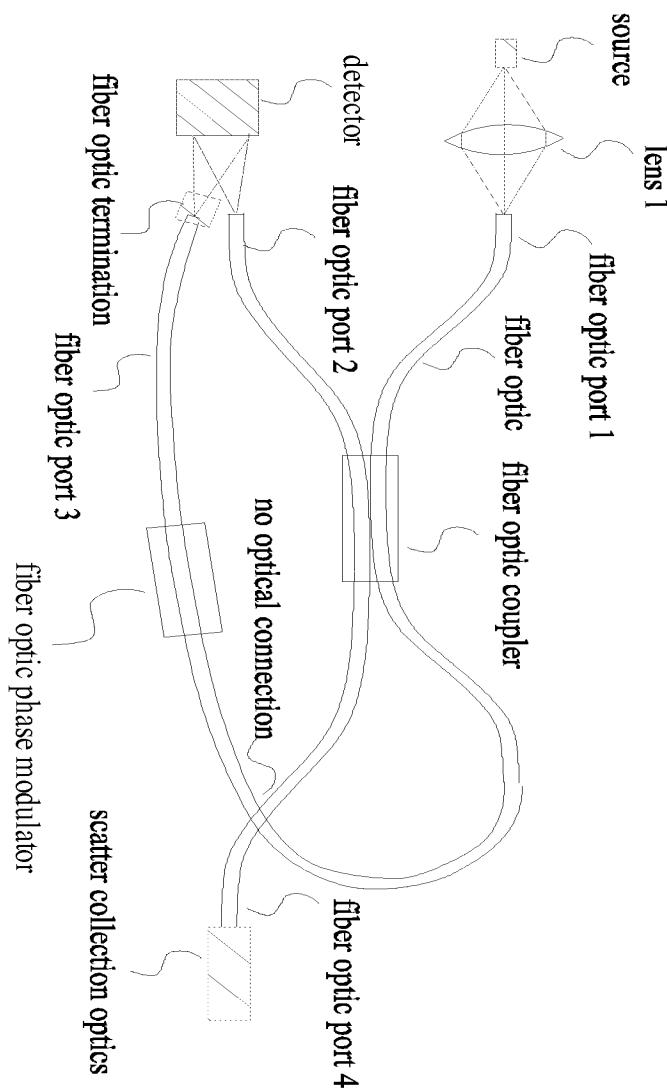
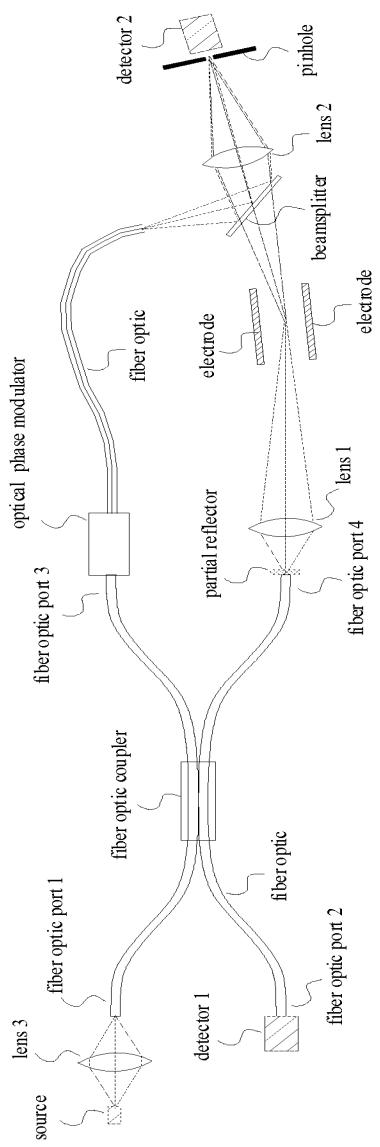
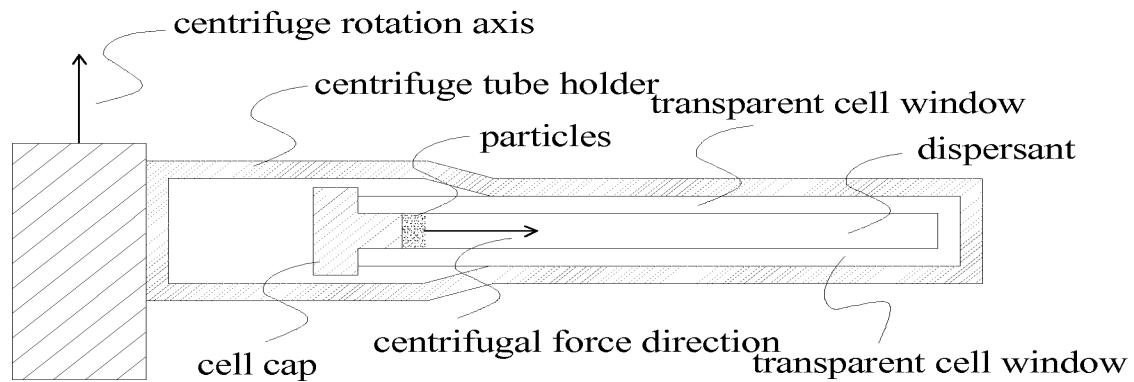
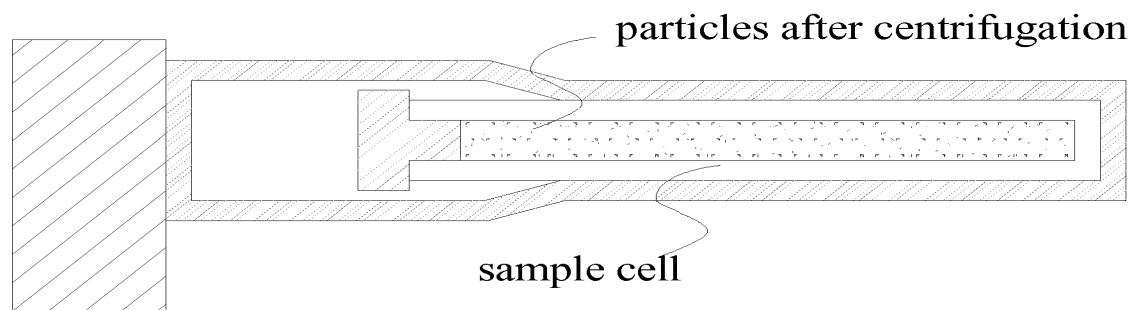
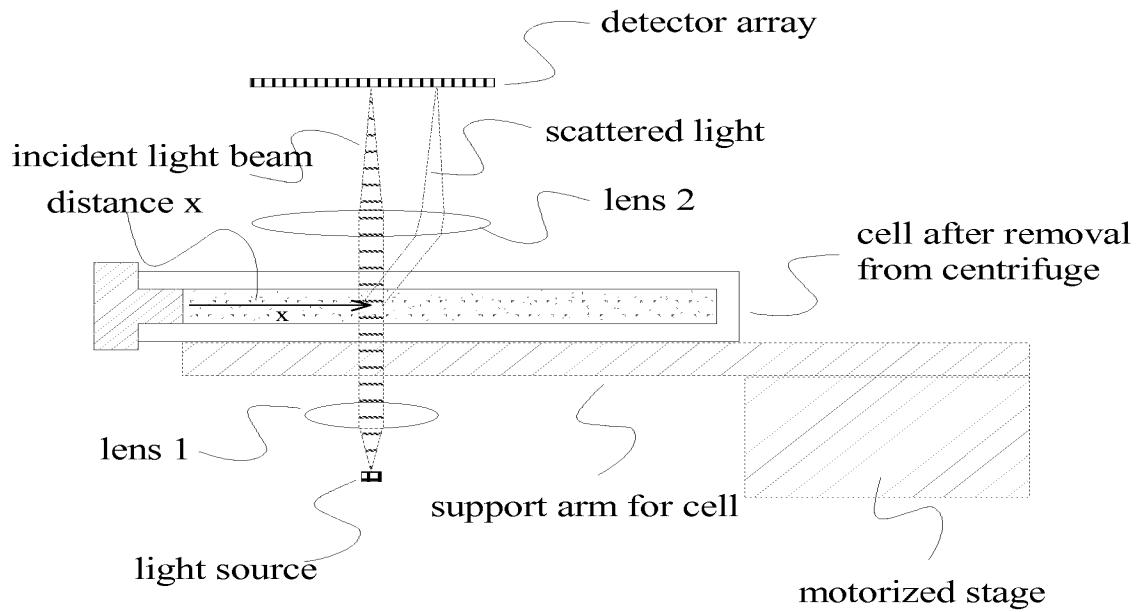
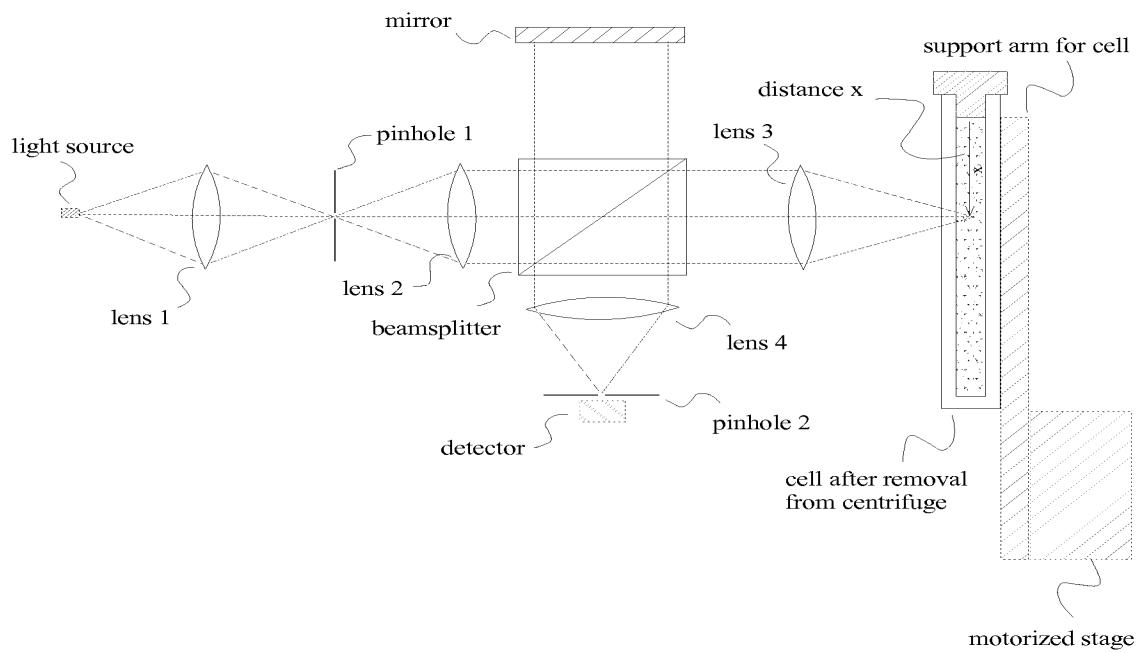
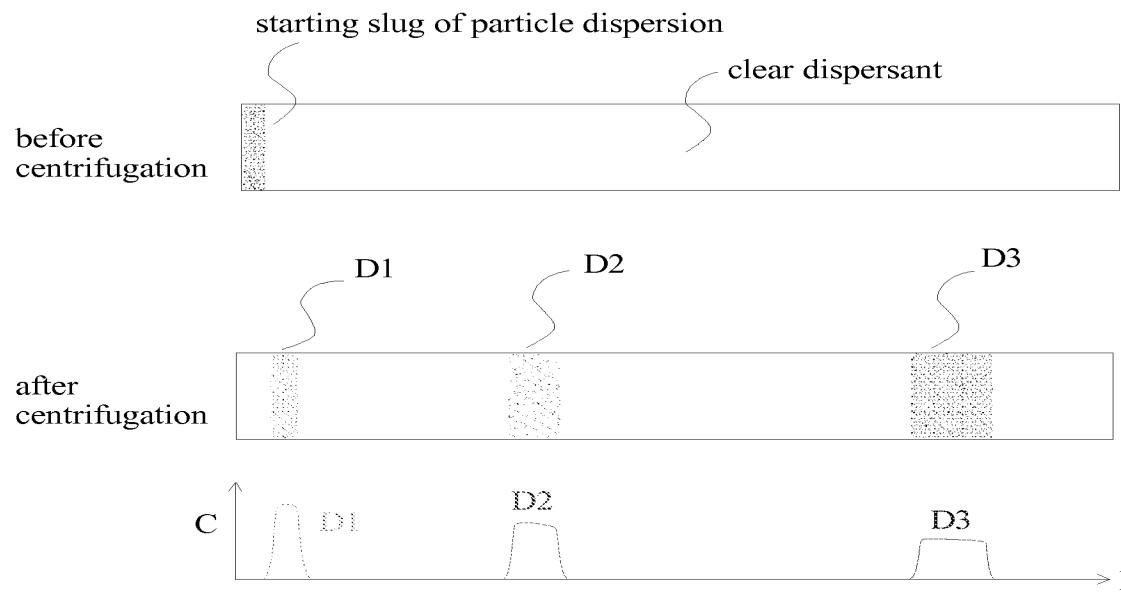
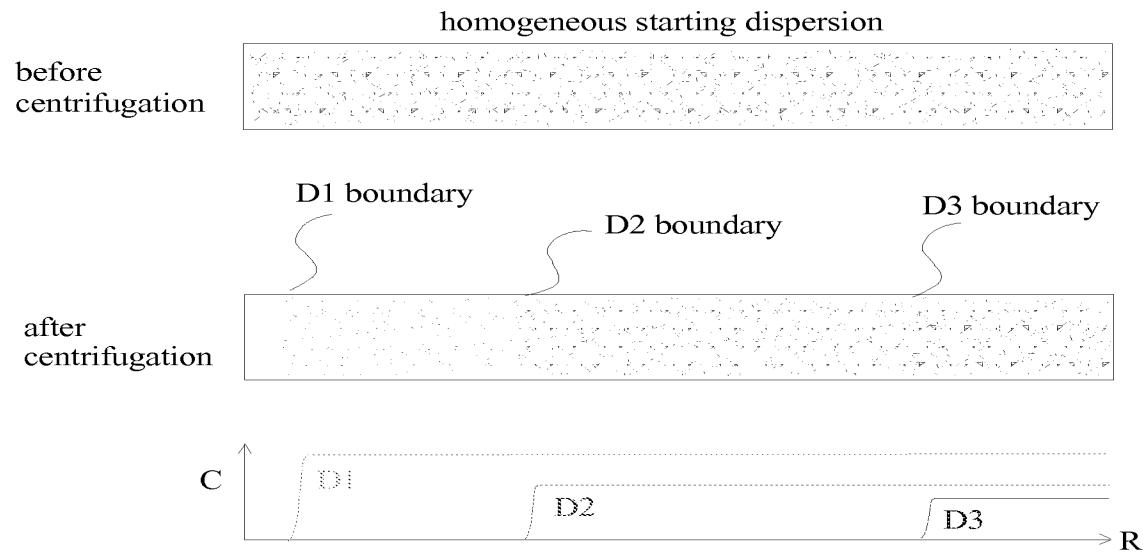


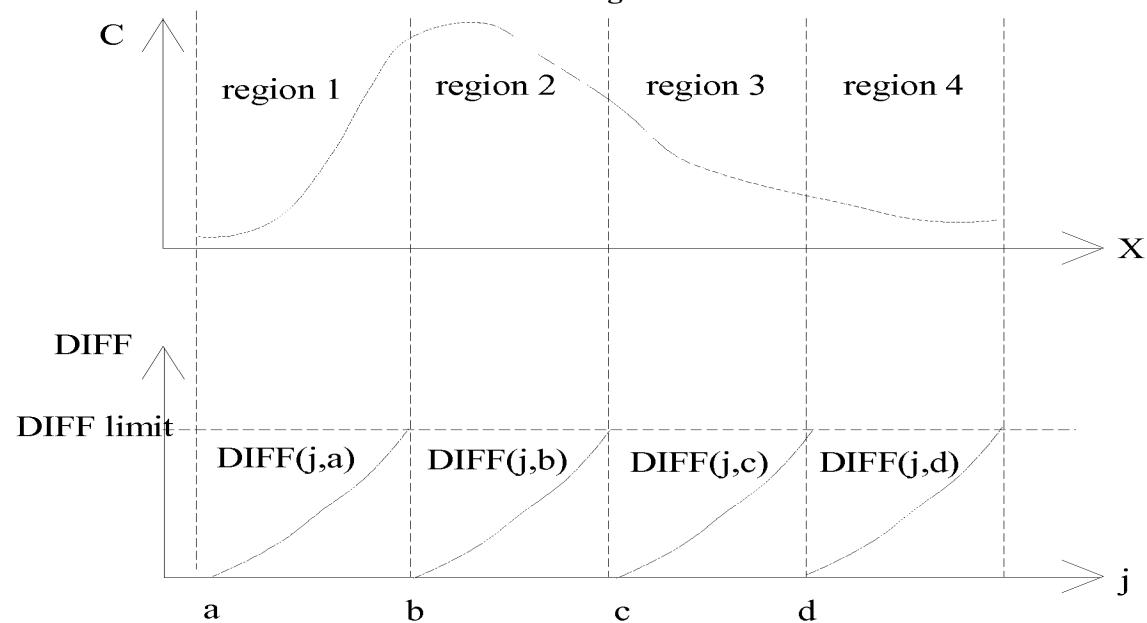
Figure C4



**Figure D1****Figure D2**

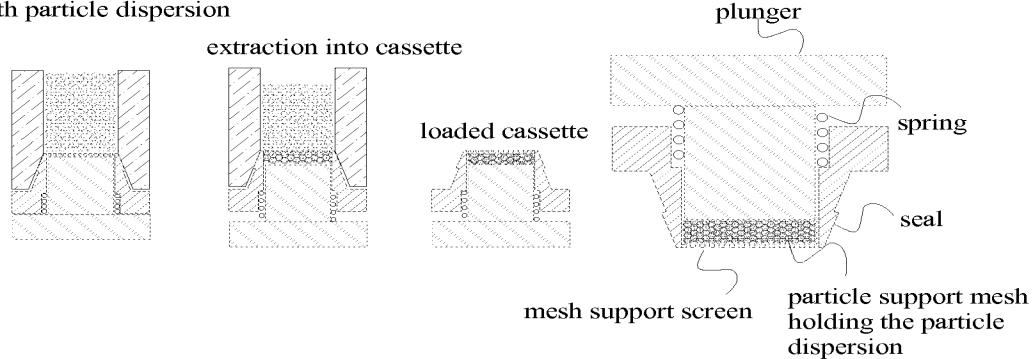
**Figure D3****Figure D3B**

**Figure D4****Figure D5**

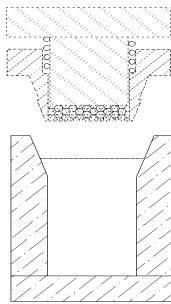
**Figure D6**

**Figure D7a**

cassette and loading cell  
filled with particle dispersion

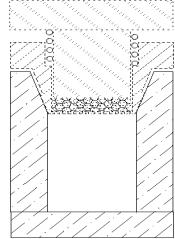
**Figure D7b**

cassette insertion into  
centrifuge cell filled with  
clean dispersant

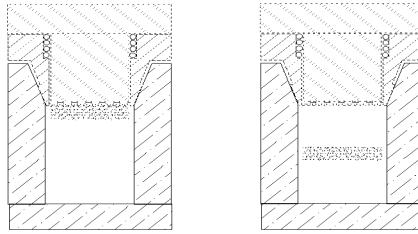


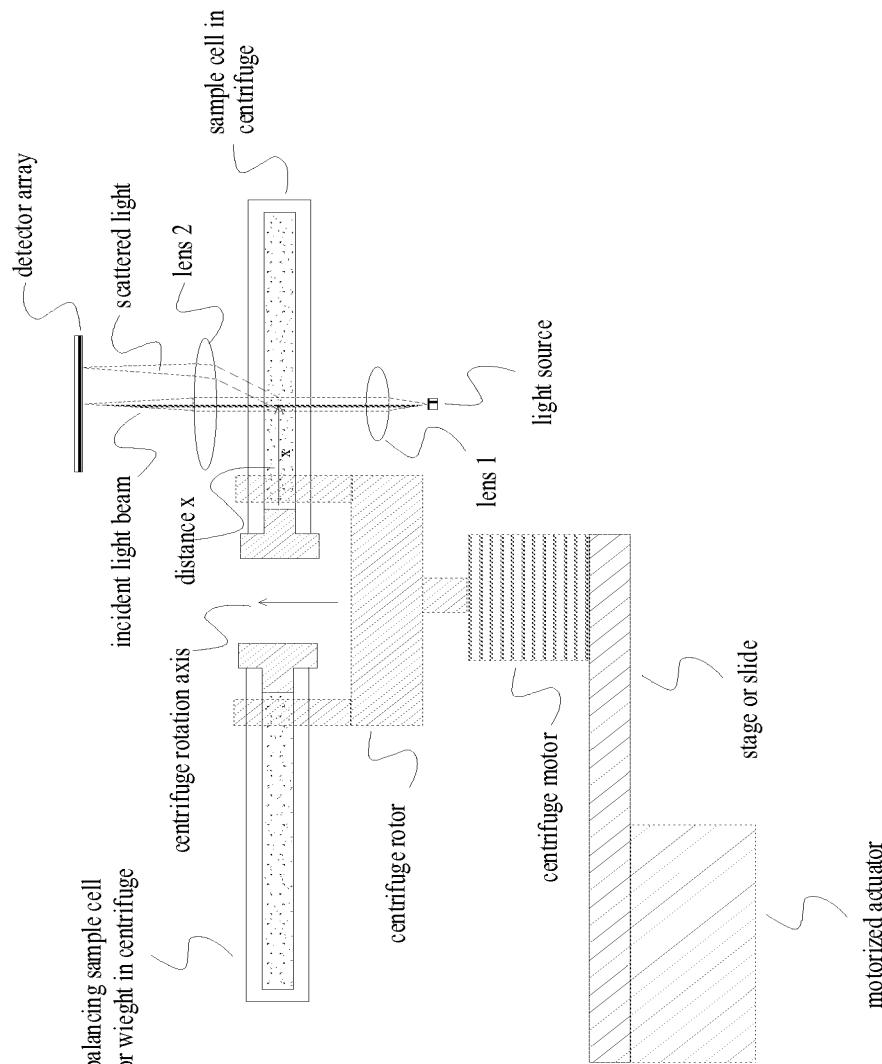
loaded cell

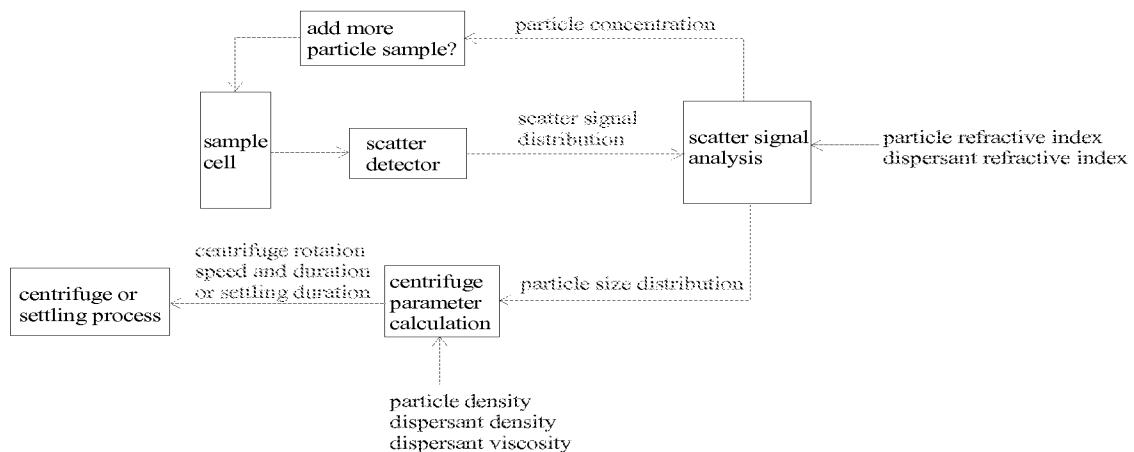
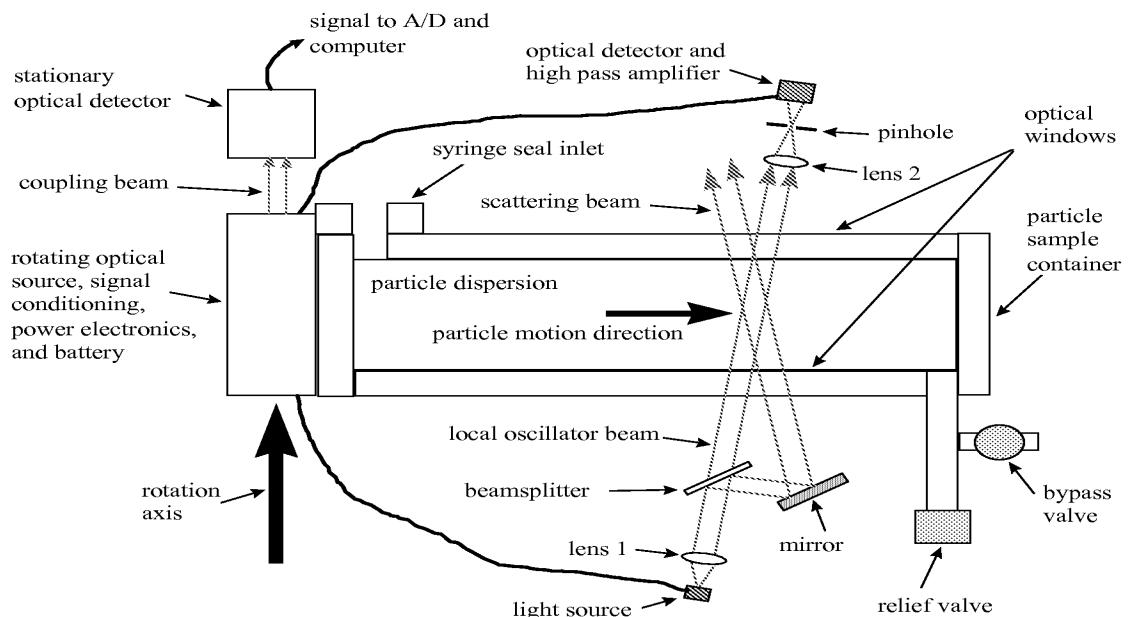
injection of particles  
into the clear dispersant

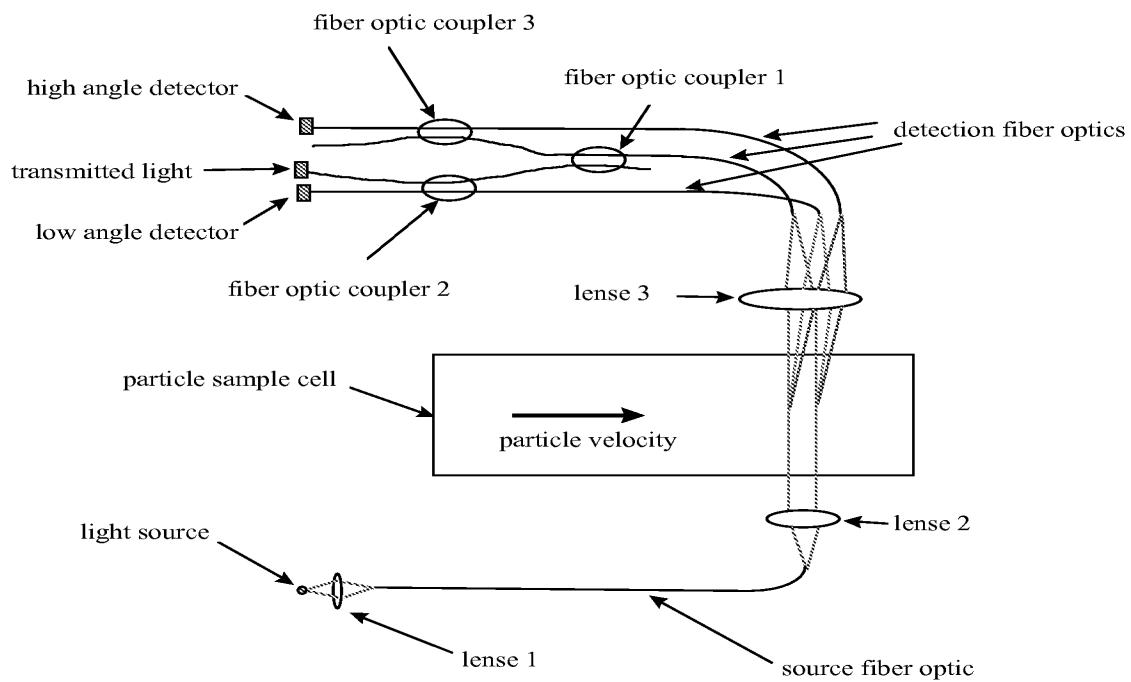


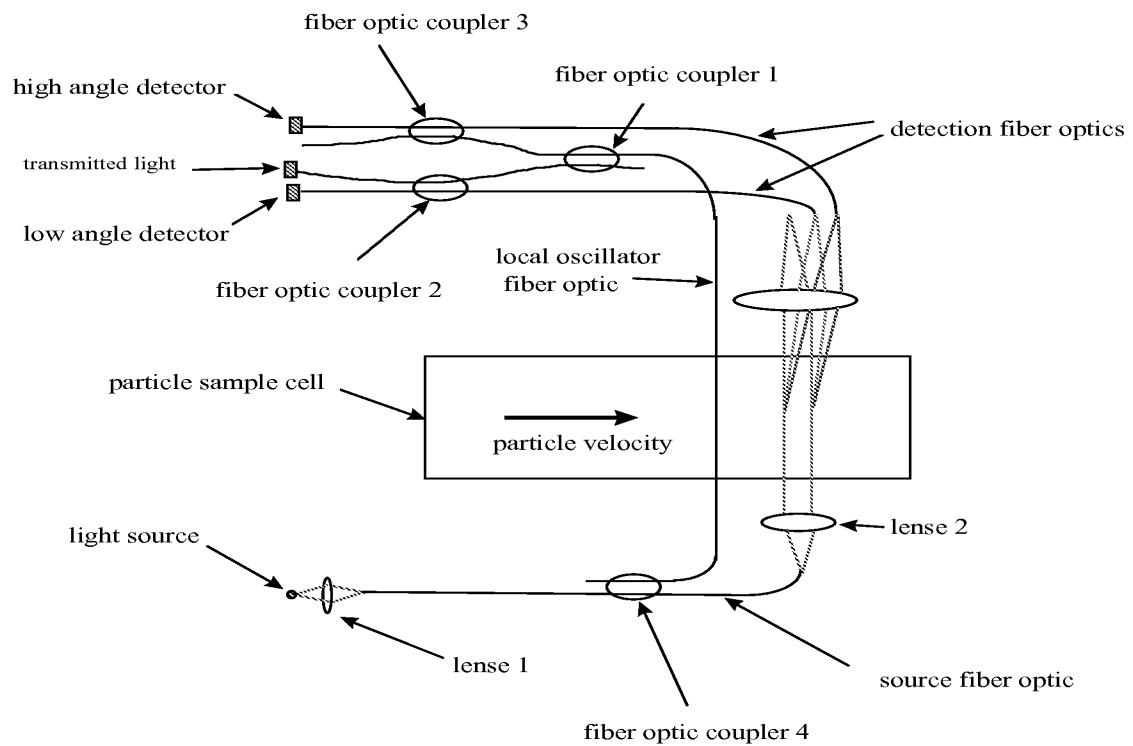
injected dispersion after  
centrifugation

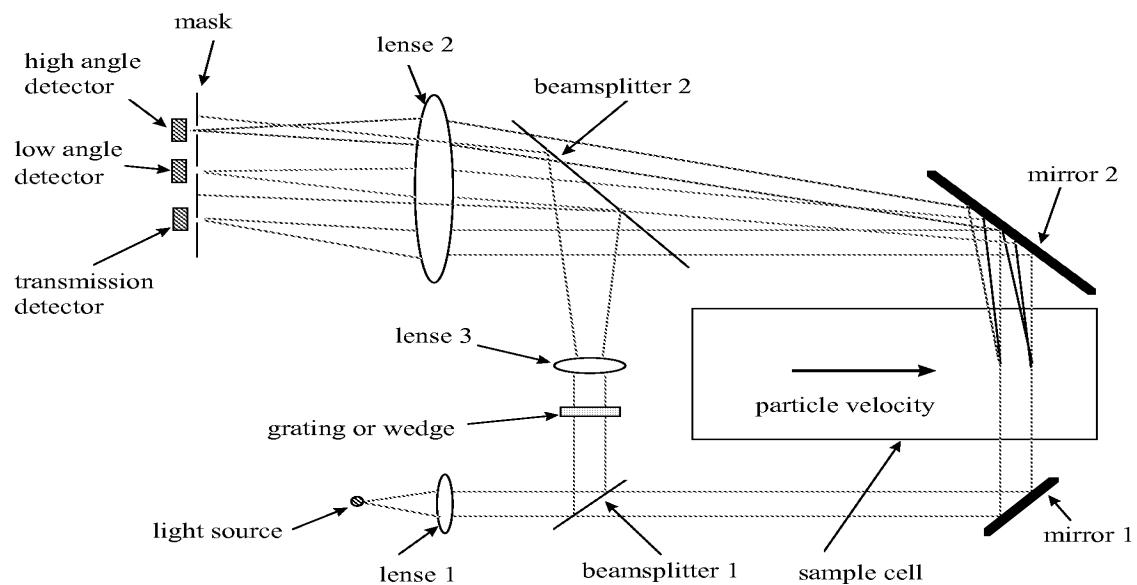


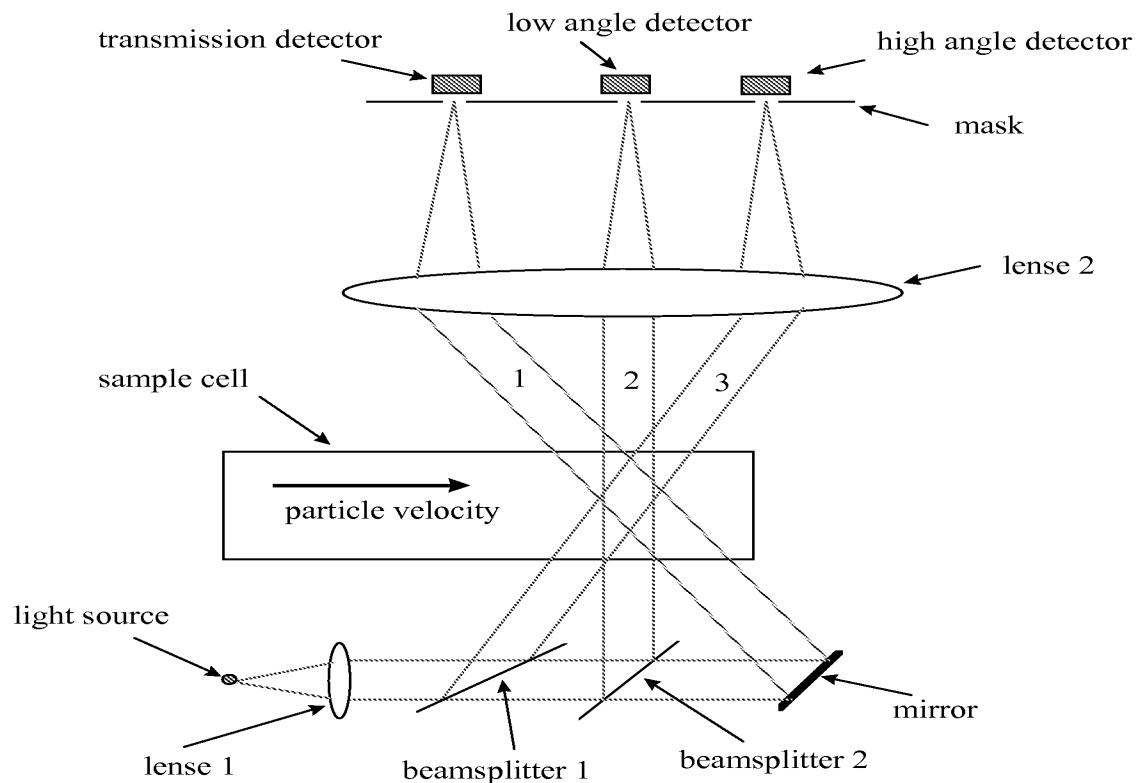
**Figure D8**

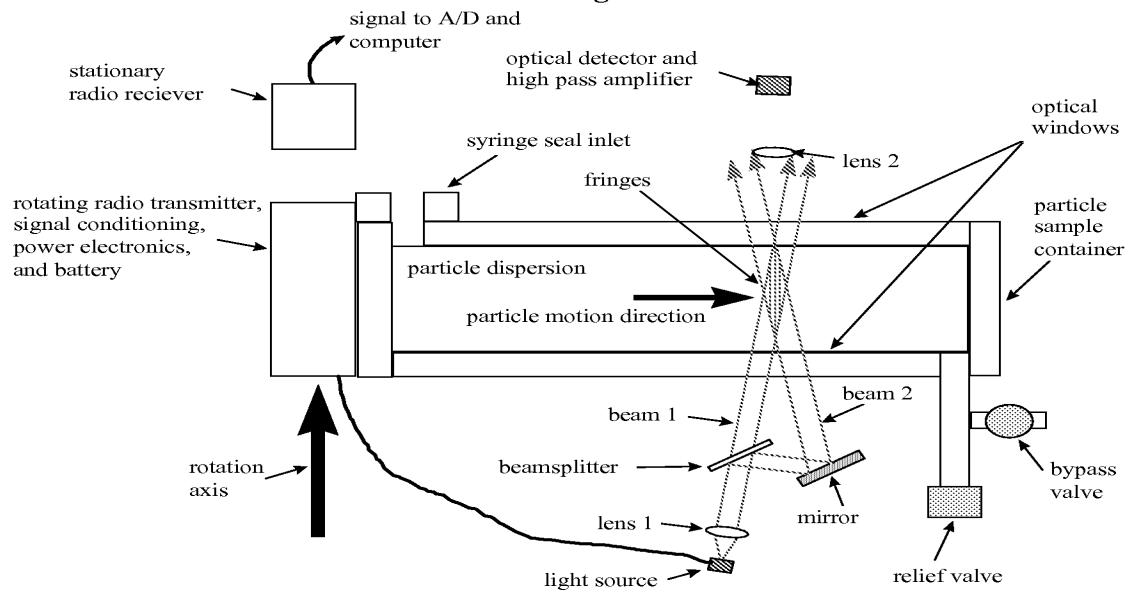
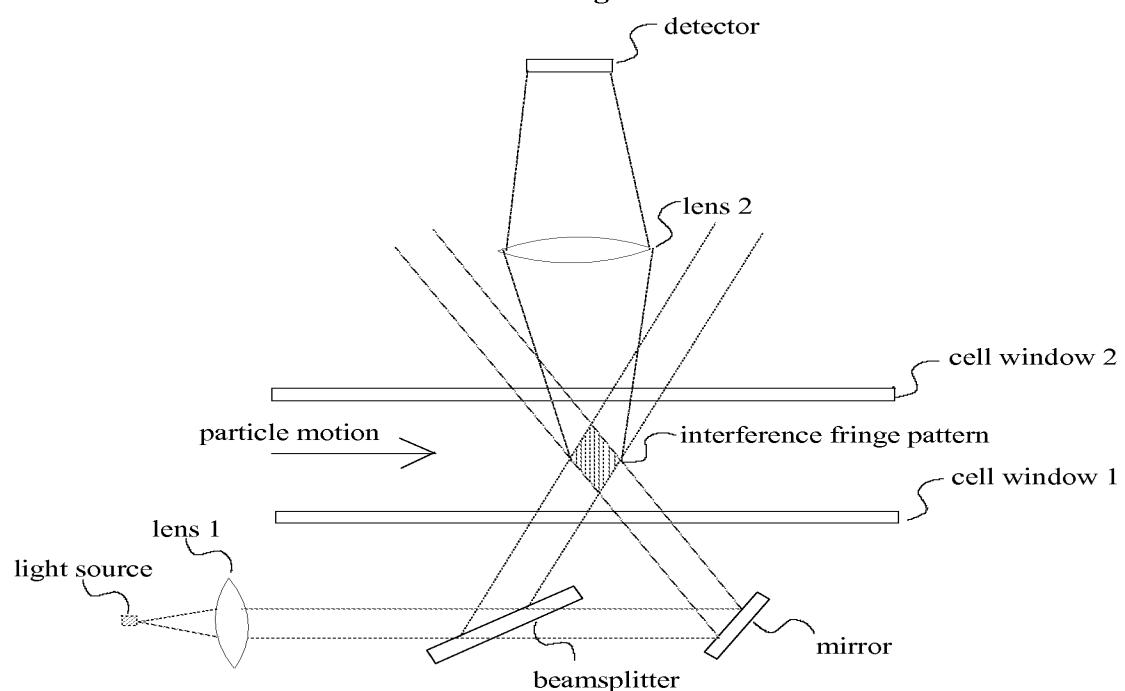
**Figure D9****Figure D10**

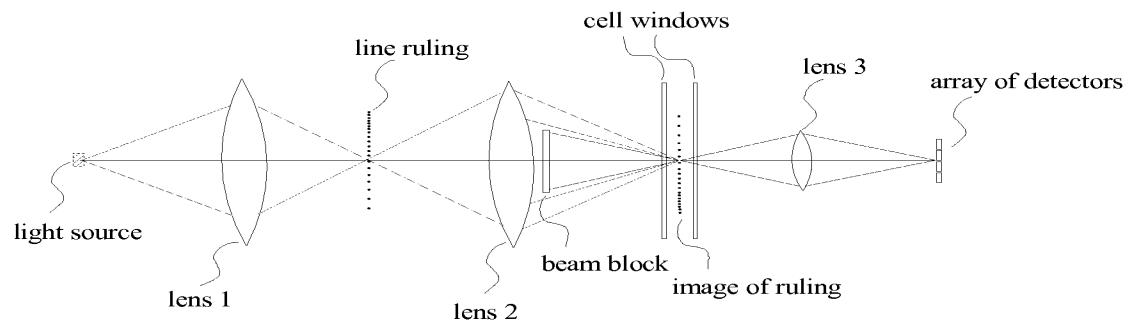
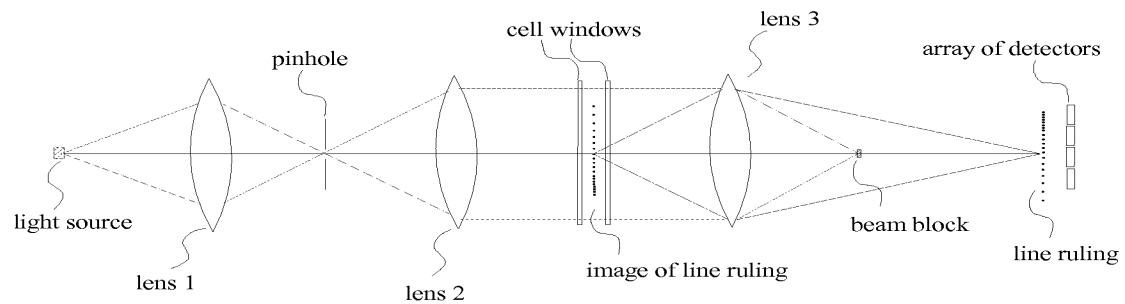
**Figure D11**

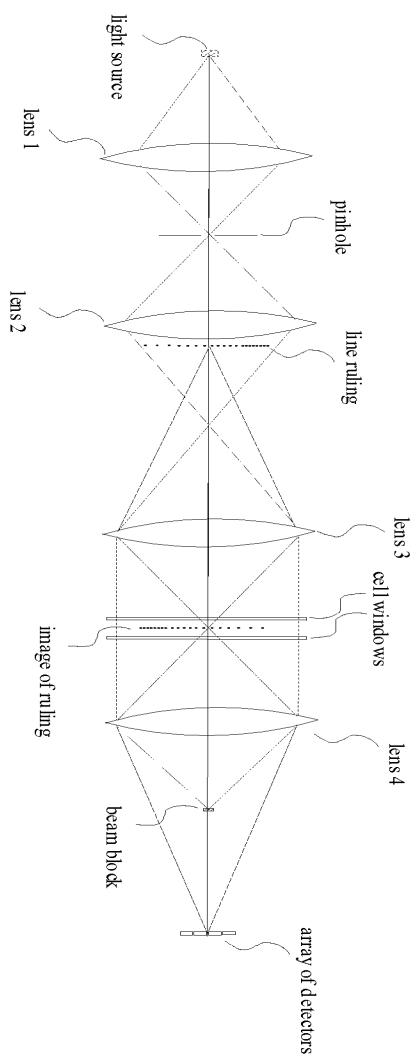
**Figure D12**

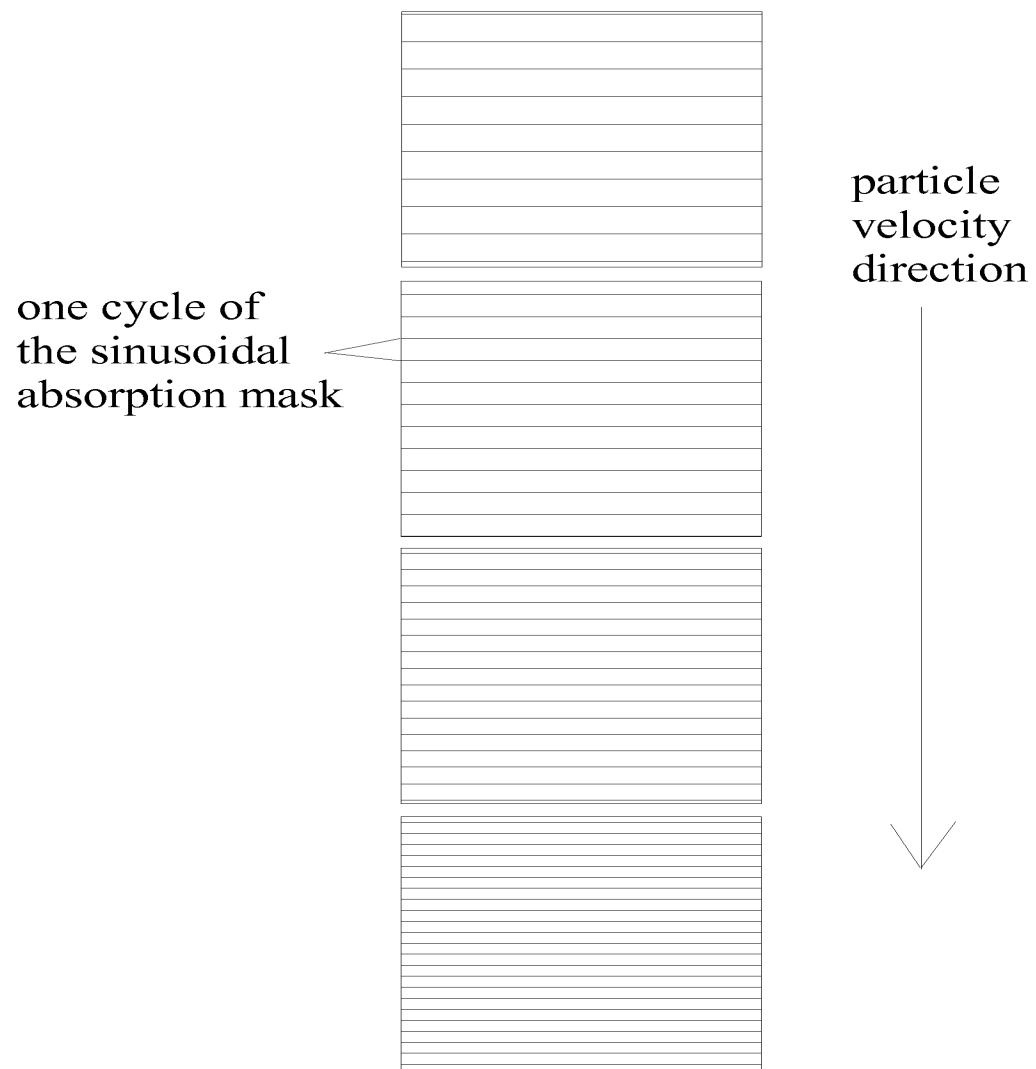
**Figure D13**

**Figure D14**

**Figure D15****Figure D16**

**Figure D17****Figure D18a**

**Figure D18b**

**Figure D19**

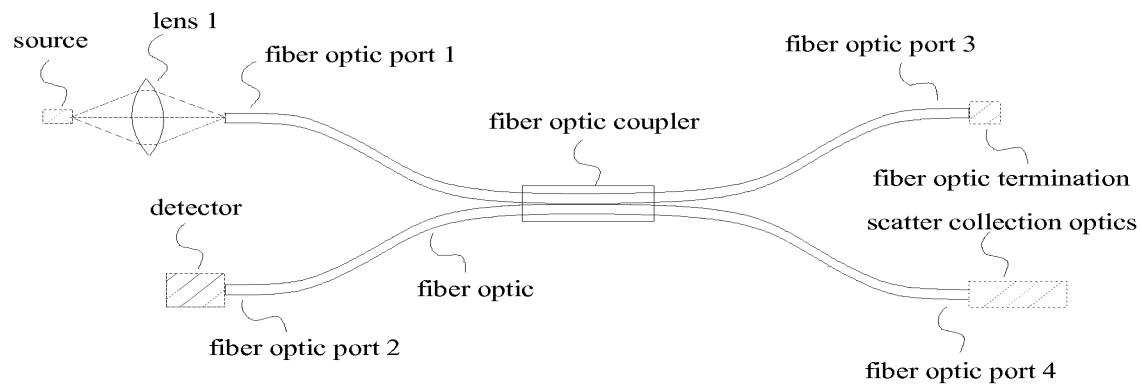
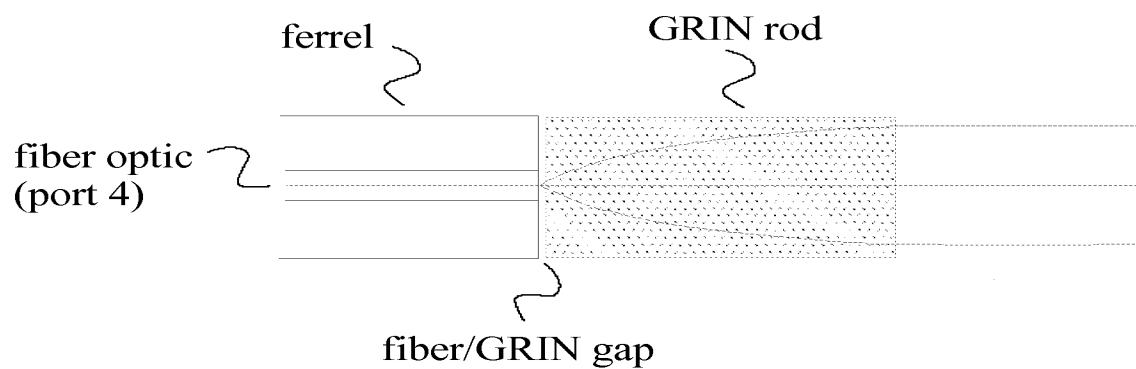
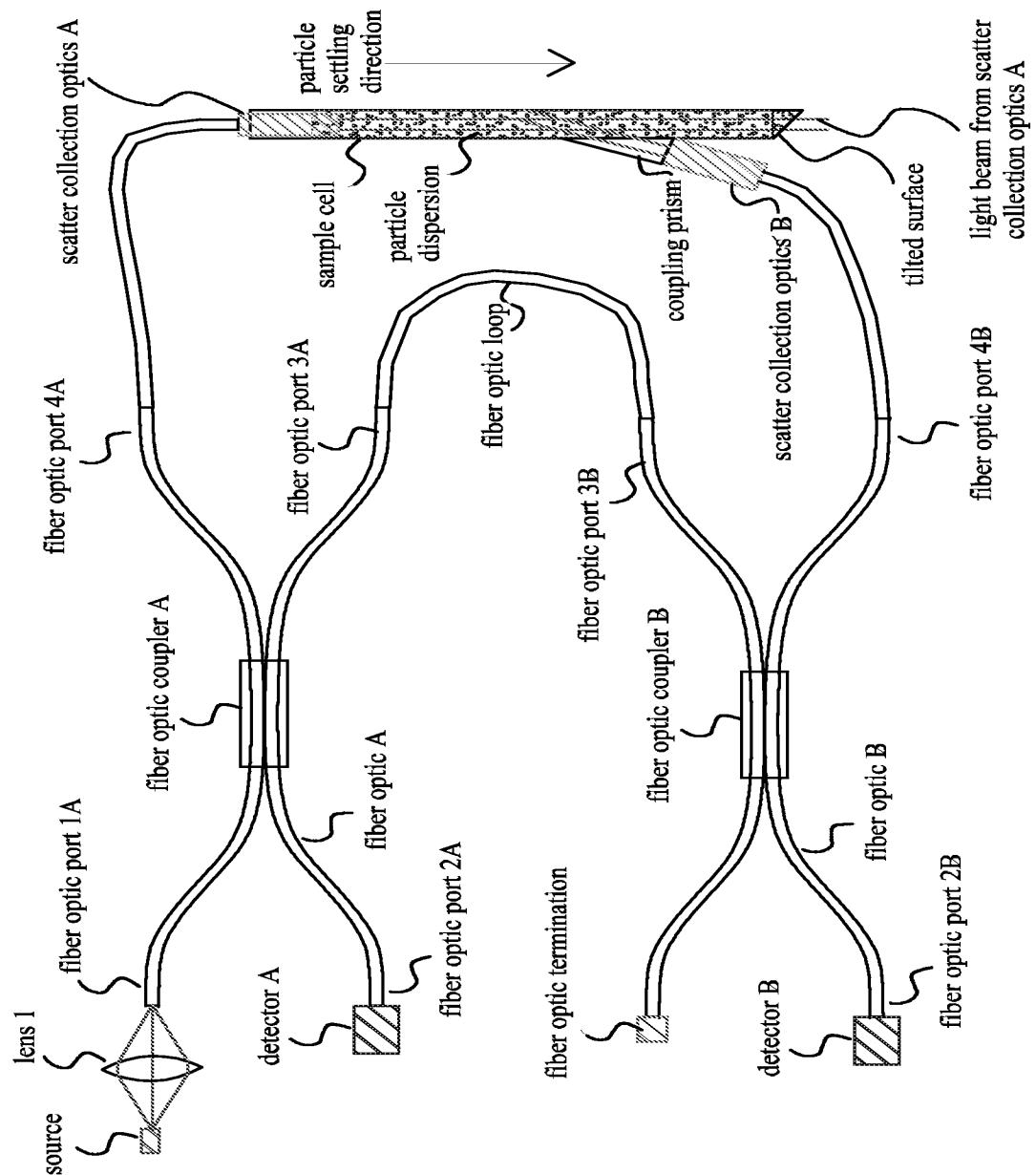
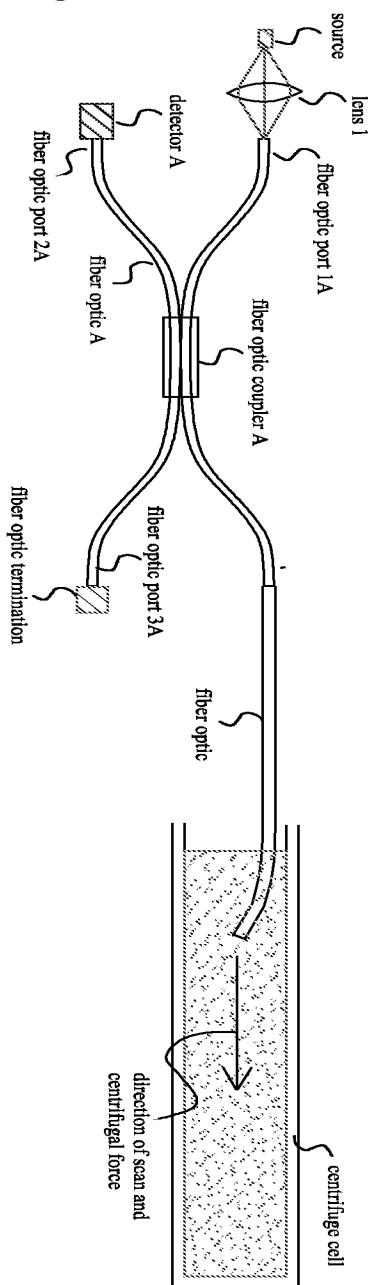
**Figure D20****Figure D21**

Figure D22



**Figure D23**

**Figure D24**